

103

MILITARY CONSTRUCTION APPROPRIATIONS FOR 1995

Y 4. AP 6/1:M 59/6/995/
PT. 3

Military Construction Appropriation... RINGS

BEFORE A

SUBCOMMITTEE OF THE COMMITTEE ON APPROPRIATIONS HOUSE OF REPRESENTATIVES ONE HUNDRED THIRD CONGRESS SECOND SESSION

SUBCOMMITTEE ON MILITARY CONSTRUCTION APPROPRIATIONS

W. G. (BILL) HEFNER, North Carolina, *Chairman*

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PART 3

Justification of the Budget Estimates

AIR FORCE

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Appropriation Requests for Reserve Components:	
Air National Guard	549
Air Force Reserve	759

Printed for the use of the Committee on Appropriations

APR 19 1994

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DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM
FISCAL YEAR 1995

	PROJECT AUTH	AUTH FOR APPROP	APPROP
MILITARY CONSTRUCTION	(SEC 2301)	(SEC 2304)	
Inside the United States	244,254 ⁽¹⁾	248,254 ⁽¹⁾	242,654 ⁽¹⁾
Eglin Climatic Test Chamber, PH 3	(2)	20,000	20,000
Pope Bridges, Road and Utilities	(3)	4,000	4,000
Outside the United States	38,273	38,273	38,273
Planning and Design	10 USC 2807	49,386	49,386
Unspecified Minor Construction	10 USC 2805	7,000	7,000
TOTAL MILITARY CONSTRUCTION	338,913	362,913	357,313
MILITARY FAMILY HOUSING	(Sec 2302/2303)	(Sec 2304)	
New Construction	151,948	181,948	181,948
Improvements	61,770	61,770	61,770
Planning and Design	<u>9,275</u>	<u>9,275</u>	<u>9,275</u>
Subtotal	222,993	252,993	252,993
Operations, Utilities, and Maintenance		688,562	688,562
Leasing		112,757	112,757
Debt Payment		<u>26</u>	<u>26</u>
Subtotal	222,993	801,345	801,345
TOTAL MILITARY FAMILY HOUSING	222,993	1,054,338	1,054,338
GRAND TOTAL AIR FORCE	561,906	1,417,251	1,411,651

(1) Two Tyndall projects (Base Supply/Equipment Warehouse, \$3.2M; Security Police Operations, \$2.4M) were appropriated but not authorized in FY 1994. Project authorization and authorization for appropriation in the amount of \$5.6M is requested in FY 1995 for these two projects. Appropriation is not requested in FY 1995.

(2) Project authorization provided in FY 1994, but \$20 million requires authorization for appropriation and appropriation.

(3) Project authorization provided in FY 1993; \$4 million requires authorization for appropriation and appropriation.

B

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STATE/COUNTRY INSTALLATION	PROJECT	PROJECT AUTH	AUTH FOR APPROP	APPROP AMOUNT	PAGE
ALABAMA					
MAXWELL AFB					
	STUDENT DORMITORIES	9,600	9,600	9,600	2
	<u>MAXWELL AFB TOTAL:</u>	<u>9,600</u>	<u>9,600</u>	<u>9,600</u>	
	<u>ALABAMA TOTAL:</u>	<u>9,600</u>	<u>9,600</u>	<u>9,600</u>	
ALASKA					
CAPE LISBURNE LRRS					
	UNDERGROUND FUEL STORAGE TANKS	2,800	2,800	2,800	6
	<u>CAPE LISBURNE LRRS TOTAL:</u>	<u>2,800</u>	<u>2,800</u>	<u>2,800</u>	
	<u>ALASKA TOTAL:</u>	<u>2,800</u>	<u>2,800</u>	<u>2,800</u>	
CALIFORNIA					
BEALE AFB					
	UPGRADE STORM DRAINAGE FACILITIES	1,450	1,450	1,450	10
	<u>BEALE AFB TOTAL:</u>	<u>1,450</u>	<u>1,450</u>	<u>1,450</u>	
EDWARDS AFB					
	UPGRADE HYDRANT FUELING SYSTEM	2,500	2,500	2,500	14
	F-22 ALTER ENGINEERING TEST FACILITY	4,550	4,550	4,550	17
	<u>EDWARDS AFB TOTAL:</u>	<u>7,050</u>	<u>7,050</u>	<u>7,050</u>	
TRAVIS AFB					
	FIRE TRAINING FACILITY	1,300	1,300	1,300	21
	DORMITORY	2,300	2,300	2,300	24
	<u>TRAVIS AFB TOTAL:</u>	<u>3,600</u>	<u>3,600</u>	<u>3,600</u>	
VANDENBERG AFB					
	FIRE TRAINING FACILITY	1,550	1,550	1,550	28
	SLFI-UPGRADE NATURAL GAS DISTRIBUTION SYSTEM	5,000	5,000	5,000	31
	<u>VANDENBERG AFB TOTAL:</u>	<u>6,550</u>	<u>6,550</u>	<u>6,550</u>	
	<u>CALIFORNIA TOTAL:</u>	<u>18,650</u>	<u>18,650</u>	<u>18,650</u>	

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CLASSIFIED					
CLASSIFIED LOCATION					
	SPECIAL TACTICAL UNIT DETACHMENT FACILITY	2,141	2,141	2,141	35
	<u>CLASSIFIED LOCATION TOTAL:</u>	<u>2,141</u>	<u>2,141</u>	<u>2,141</u>	
	<u>CLASSIFIED TOTAL:</u>	<u>2,141</u>	<u>2,141</u>	<u>2,141</u>	
COLORADO					
PETERSON AFB					
	UNDERGROUND FUEL STORAGE TANKS	1,750	1,750	1,750	37
	<u>PETERSON AFB TOTAL:</u>	<u>1,750</u>	<u>1,750</u>	<u>1,750</u>	
	<u>COLORADO TOTAL:</u>	<u>1,750</u>	<u>1,750</u>	<u>1,750</u>	
DELAWARE					
DOVER AFB					
	DORMITORY	4,600	4,600	4,600	41
	<u>DOVER AFB TOTAL:</u>	<u>4,600</u>	<u>4,600</u>	<u>4,600</u>	
	<u>DELAWARE TOTAL:</u>	<u>4,600</u>	<u>4,600</u>	<u>4,600</u>	
FLORIDA					
CAPE CANAVERAL AFS					
	CORROSION CONTROL FACILITY	1,700	1,700	1,700	45
	DELTA LAUNCH OPERATIONS FACILITY	7,000	7,000	7,000	48
	SLF1-UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	1,750	1,750	1,750	51
	<u>CAPE CANAVERAL AFS TOTAL:</u>	<u>10,450</u>	<u>10,450</u>	<u>10,450</u>	
EGLIN AFB					
	RENOVATE CLIMATIC TEST CHAMBER PHASE III	0	20,000	20,000	55
	<u>EGLIN AFB TOTAL:</u>	<u>0</u>	<u>20,000</u>	<u>20,000</u>	
TYNDALL AFB					
	SECURITY POLICE OPERATIONS	2,400	2,400	0	59
	ADD TO BASE SUPPLY/EQUIPMENT WAREHOUSE	3,200	3,200	0	62

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	<u>TYNDALL AFB TOTAL:</u>	<u>5,600</u>	<u>5,600</u>	<u>0</u>	
	<u>FLORIDA TOTAL:</u>	<u>16,050</u>	<u>36,050</u>	<u>30,450</u>	
GEORGIA					
MOODY AFB					
	UPGRADE AIRFIELD PAVEMENTS	8,000	8,000	8,000	66
	DORMITORY	3,800	3,800	3,800	69
	<u>MOODY AFB TOTAL:</u>	<u>11,800</u>	<u>11,800</u>	<u>11,800</u>	
ROBINS AFB					
	JSTARS ADD TO INTEGRATED SUPPORT FACILITY	3,100	3,100	3,100	73
	JSTARS DORMITORY	5,525	5,525	5,525	76
	JSTARS EXPANDED FLIGHT KITCHEN	1,850	1,850	1,850	79
	JSTARS UTILITIES/ MISCELLANEOUS SUPPORT	3,825	3,825	3,825	82
	UPGRADE STORM DRAINAGE SYSTEM	2,200	2,200	2,200	85
	<u>ROBINS AFB TOTAL:</u>	<u>16,500</u>	<u>16,500</u>	<u>16,500</u>	
	<u>GEORGIA TOTAL:</u>	<u>28,300</u>	<u>28,300</u>	<u>28,300</u>	
IDAHO					
MT HOME AFB					
	DORMITORY	4,950	4,950	4,950	89
	<u>MT HOME AFB TOTAL:</u>	<u>4,950</u>	<u>4,950</u>	<u>4,950</u>	
	<u>IDAHO TOTAL:</u>	<u>4,950</u>	<u>4,950</u>	<u>4,950</u>	
ILLINOIS					
SCOTT AFB					
	UNDERGROUND FUEL STORAGE TANKS	2,700	2,700	2,700	93
	<u>SCOTT AFB TOTAL:</u>	<u>2,700</u>	<u>2,700</u>	<u>2,700</u>	
	<u>ILLINOIS TOTAL:</u>	<u>2,700</u>	<u>2,700</u>	<u>2,700</u>	

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KANSAS					
MCCONNELL AFB					
	UPGRADE STORM DRAINAGE FACILITIES	500	500	500	293
	<u>MCCONNELL AFB TOTAL:</u>	<u>500</u>	<u>500</u>	<u>500</u>	
	<u>KANSAS TOTAL:</u>	<u>500</u>	<u>500</u>	<u>500</u>	
LOUISIANA					
BARKSDALE AFB					
	UPGRADE STORM DRAINAGE FACILITIES	1,500	1,500	1,500	98
	<u>BARKSDALE AFB TOTAL:</u>	<u>1,500</u>	<u>1,500</u>	<u>1,500</u>	
	<u>LOUISIANA TOTAL:</u>	<u>1,500</u>	<u>1,500</u>	<u>1,500</u>	
MARYLAND					
ANDREWS AFB					
	DORMITORY	6,300	6,300	6,300	102
	<u>ANDREWS AFB TOTAL:</u>	<u>6,300</u>	<u>6,300</u>	<u>6,300</u>	
	<u>MARYLAND TOTAL:</u>	<u>6,300</u>	<u>6,300</u>	<u>6,300</u>	
MISSISSIPPI					
KEESLER AFB					
	7-LEVEL TRAINING CLASSROOMS	1,800	1,800	1,800	106
	7-LEVEL TRAINING DORMITORY	8,800	8,800	8,800	109
	UPGRADE FIRE SUPPRESSION SYSTEM	640	640	640	295
	<u>KEESLER AFB TOTAL:</u>	<u>11,240</u>	<u>11,240</u>	<u>11,240</u>	
	<u>MISSISSIPPI TOTAL:</u>	<u>11,240</u>	<u>11,240</u>	<u>11,240</u>	
MISSOURI					
WHITEMAN AFB					
	B-2 ADD TO AND ALTER AIRCRAFT APRON, TAXIWAY & CONVOY ROADS	4,600	4,600	4,600	113
	B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM	15,000	15,000	15,000	115
	UPGRADE STORM DRAINAGE FACILITIES	1,290	1,290	1,290	118

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	B-2 ADD TO AND ALTER DOCK AND HANGAR FIRE PROTECTION SYSTEMS	3,400	3,400	3,400	121
	<u>WHITEMAN AFB TOTAL:</u>	<u>24,290</u>	<u>24,290</u>	<u>24,290</u>	
	<u>MISSOURI TOTAL:</u>	<u>24,290</u>	<u>24,290</u>	<u>24,290</u>	
MONTANA					
MALMSTROM AFB					
	UNDERGROUND FUEL STORAGE TANKS	3,200	3,200	3,200	125
	UNDERGROUND FUEL STORAGE TANKS MINUTEMAN III FACILITIES	4,000	4,000	4,000	128
	<u>MALMSTROM AFB TOTAL:</u>	<u>7,200</u>	<u>7,200</u>	<u>7,200</u>	
	<u>MONTANA TOTAL:</u>	<u>7,200</u>	<u>7,200</u>	<u>7,200</u>	
NEBRASKA					
OFFUTT AFB					
	UNDERGROUND FUEL STORAGE TANKS	760	760	760	297
	UPGRADE STORM DRAINAGE FACILITIES	1,500	1,500	1,500	132
	<u>OFFUTT AFB TOTAL:</u>	<u>2,260</u>	<u>2,260</u>	<u>2,260</u>	
	<u>NEBRASKA TOTAL:</u>	<u>2,260</u>	<u>2,260</u>	<u>2,260</u>	
NEW JERSEY					
MCGUIRE AFB					
	DORMITORY	8,700	8,700	8,700	136
	DORMITORY	1,600	1,600	1,600	139
	UPGRADE SANITARY SEWER SYSTEM	4,800	4,800	4,800	142
	UPGRADE STORM DRAINAGE FACILITIES	1,900	1,900	1,900	145
	<u>MCGUIRE AFB TOTAL:</u>	<u>17,000</u>	<u>17,000</u>	<u>17,000</u>	
	<u>NEW JERSEY TOTAL:</u>	<u>17,000</u>	<u>17,000</u>	<u>17,000</u>	
NEW MEXICO					
HOLLOMAN AFB					
	DORMITORY	3,950	3,950	3,950	149
	<u>HOLLOMAN AFB TOTAL:</u>	<u>3,950</u>	<u>3,950</u>	<u>3,950</u>	

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KIRTLAND AFB					
	UNDERGROUND FUEL STORAGE TANKS	3,200	3,200	3,200	153
	<u>KIRTLAND AFB TOTAL:</u>	<u>3,200</u>	<u>3,200</u>	<u>3,200</u>	
	<u>NEW MEXICO TOTAL:</u>	<u>7,150</u>	<u>7,150</u>	<u>7,150</u>	
NORTH CAROLINA POPE AFB					
	AIRCRAFT PARKING APRON LIGHTING	1,500	1,500	1,500	157
	FIRE TRAINING FACILITY	1,100	1,100	1,100	160
	BRIDGE, ROAD AND UTILITIES	0	4,000	4,000	163
	<u>POPE AFB TOTAL:</u>	<u>2,600</u>	<u>6,600</u>	<u>6,600</u>	
	<u>NORTH CAROLINA TOTAL:</u>	<u>2,600</u>	<u>6,600</u>	<u>6,600</u>	
NORTH DAKOTA GRAND FORKS AFB					
	UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES	5,200	5,200	5,200	167
	<u>GRAND FORKS AFB TOTAL:</u>	<u>5,200</u>	<u>5,200</u>	<u>5,200</u>	
MINOT AFB					
	UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES	2,950	2,950	2,950	171
	UNDERGROUND FUEL STORAGE TANKS	1,400	1,400	1,400	174
	UPGRADE STORM DRAINAGE FACILITIES	1,500	1,500	1,500	177
	<u>MINOT AFB TOTAL:</u>	<u>5,850</u>	<u>5,850</u>	<u>5,850</u>	
	<u>NORTH DAKOTA TOTAL:</u>	<u>11,050</u>	<u>11,050</u>	<u>11,050</u>	
OHIO WRIGHT-PATTERSON AFB					
	UPGRADE STORM DRAINAGE SYSTEM	3,350	3,350	3,350	181
	<u>WRIGHT-PATTERSON AFB TOTAL:</u>	<u>3,350</u>	<u>3,350</u>	<u>3,350</u>	
	<u>OHIO TOTAL:</u>	<u>3,350</u>	<u>3,350</u>	<u>3,350</u>	

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OKLAHOMA					
ALTUS AFB					
	ADD TO AND ALTER DORMITORY	3,750	3,750	3,750	185
	<u>ALTUS AFB TOTAL:</u>	<u>3,750</u>	<u>3,750</u>	<u>3,750</u>	
TINKER AFB					
	ALTER VENTILATION SYSTEM, CORROSION CONTROL FAC (DBOF)	8,400	8,400	8,400	189
	UPGRADE STORM DRAINAGE SYSTEM	1,243	1,243	1,243	192
	<u>TINKER AFB TOTAL:</u>	<u>9,643</u>	<u>9,643</u>	<u>9,643</u>	
VANCE AFB					
	FIRE TRAINING FACILITY	980	980	980	299
	ALTER DORMITORIES	2,300	2,300	2,300	196
	UPGRADE SANITARY SEWER SYSTEM	1,100	1,100	1,100	199
	UPGRADE STORM DRAINAGE SYSTEM	1,800	1,800	1,800	202
	<u>VANCE AFB TOTAL:</u>	<u>6,180</u>	<u>6,180</u>	<u>6,180</u>	
	<u>OKLAHOMA TOTAL:</u>	<u>19,573</u>	<u>19,573</u>	<u>19,573</u>	
SOUTH CAROLINA					
CHARLESTON AFB					
	UPGRADE HAZARDOUS WASTE STORAGE FACILITY	1,500	1,500	1,500	206
	ALTER DORMITORIES	9,900	9,900	9,900	209
	<u>CHARLESTON AFB TOTAL:</u>	<u>11,400</u>	<u>11,400</u>	<u>11,400</u>	
	<u>SOUTH CAROLINA TOTAL:</u>	<u>11,400</u>	<u>11,400</u>	<u>11,400</u>	
SOUTH DAKOTA					
ELLSWORTH AFB					
	UPGRADE STORM DRAINAGE FACILITIES	1,450	1,450	1,450	213
	<u>ELLSWORTH AFB TOTAL:</u>	<u>1,450</u>	<u>1,450</u>	<u>1,450</u>	
	<u>SOUTH DAKOTA TOTAL:</u>	<u>1,450</u>	<u>1,450</u>	<u>1,450</u>	

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<u>STATE/COUNTRY</u> <u>INSTALLATION</u>	<u>PROJECT</u>	<u>PROJECT</u> <u>AUTH</u>	<u>AUTH</u> <u>FOR</u> <u>APPROP</u>	<u>APPROP</u> <u>AMOUNT</u>	<u>PAGE</u>
TENNESSEE					
ARNOLD AFB					
	HAZARDOUS WASTE/MATERIAL STORAGE FACILITY	1,900	1,900	1,900	217
	<u>ARNOLD AFB TOTAL:</u>	<u>1,900</u>	<u>1,900</u>	<u>1,900</u>	
	<u>TENNESSEE TOTAL:</u>	<u>1,900</u>	<u>1,900</u>	<u>1,900</u>	
TEXAS					
KELLY AFB					
	UPGRADE HYDRANT FUELING SYSTEMS	3,700	3,700	3,700	221
	ADD TO AND ALTER DORMITORY	2,250	2,250	2,250	224
	UPGRADE SANITARY SEWER LINES	3,000	3,000	3,000	227
	<u>KELLY AFB TOTAL:</u>	<u>8,950</u>	<u>8,950</u>	<u>8,950</u>	
LACKLAND AFB					
	7-LEVEL TRAINING CLASSROOMS	1,800	1,800	1,800	231
	ALTER RECRUIT DORMITORY	3,400	3,400	3,400	234
	<u>LACKLAND AFB TOTAL:</u>	<u>5,200</u>	<u>5,200</u>	<u>5,200</u>	
SHEPPARD AFB					
	7-LEVEL TRAINING CLASSROOMS	3,300	3,300	3,300	238
	<u>SHEPPARD AFB TOTAL:</u>	<u>3,300</u>	<u>3,300</u>	<u>3,300</u>	
	<u>TEXAS TOTAL:</u>	<u>17,450</u>	<u>17,450</u>	<u>17,450</u>	
WASHINGTON					
FAIRCHILD AFB					
	HAZARDOUS MATERIAL STORAGE FACILITY	1,400	1,400	1,400	242
	UPGRADE STORM DRAINAGE FACILITIES	2,450	2,450	2,450	245
	<u>FAIRCHILD AFB TOTAL:</u>	<u>3,850</u>	<u>3,850</u>	<u>3,850</u>	
	<u>WASHINGTON TOTAL:</u>	<u>3,850</u>	<u>3,850</u>	<u>3,850</u>	

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WYOMING					
F E WARREN AFB					
	UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES	2,650	2,650	2,650	249
	<u>F E WARREN AFB TOTAL:</u>	<u>2,650</u>	<u>2,650</u>	<u>2,650</u>	
	<u>WYOMING TOTAL:</u>	<u>2,650</u>	<u>2,650</u>	<u>2,650</u>	
	<u>INSIDE THE UNITED STATES TOTAL:</u>	<u>244,254</u>	<u>268,254</u>	<u>262,654</u>	

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<u>STATE/COUNTRY INSTALLATION</u>	<u>PROJECT</u>	<u>PROJECT AUTH</u>	<u>AUTH FOR APPROP</u>	<u>APPROP AMOUNT</u>	<u>PAGE</u>
AZORES, PORTUGAL					
LAJES FIELD					
	REFUSE INCINERATOR	2,850	2,850	2,850	253
	<u>LAJES FIELD TOTAL:</u>	<u>2,850</u>	<u>2,850</u>	<u>2,850</u>	
	<u>AZORES, PORTUGAL TOTAL:</u>	<u>2,850</u>	<u>2,850</u>	<u>2,850</u>	
CLASSIFIED					
CLASSIFIED LOCATION					
	WAR READINESS MATERIEL MAINTENANCE/MANAGEMENT FAC	1,300	1,300	1,300	257
	WAR READINESS MATERIEL MEDICAL STORAGE FACILITY	2,100	2,100	2,100	260
	WAR READINESS MATERIEL OPEN STORAGE FACILITY	650	650	650	301
	<u>CLASSIFIED LOCATION TOTAL:</u>	<u>4,050</u>	<u>4,050</u>	<u>4,050</u>	
	<u>CLASSIFIED TOTAL:</u>	<u>4,050</u>	<u>4,050</u>	<u>4,050</u>	
GERMANY					
RAMSTEIN AB					
	HAZARDOUS MATERIAL STORAGE FACILITY	1,150	1,150	1,150	264
	UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS	11,200	11,200	11,200	267
	<u>RAMSTEIN AB TOTAL:</u>	<u>12,350</u>	<u>12,350</u>	<u>12,350</u>	
SPANGDAHLEM AB					
	CHILD DEVELOPMENT CENTER	2,273	2,273	2,273	271
	UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS	7,200	7,200	7,200	274
	<u>SPANGDAHLEM AB TOTAL:</u>	<u>9,473</u>	<u>9,473</u>	<u>9,473</u>	
	<u>GERMANY TOTAL:</u>	<u>21,823</u>	<u>21,823</u>	<u>21,823</u>	
GREENLAND					
THULE AB					
	FIRE TRAINING FACILITY	2,450	2,450	2,450	278
	<u>THULE AB TOTAL:</u>	<u>2,450</u>	<u>2,450</u>	<u>2,450</u>	

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STATE/COUNTRY INSTALLATION	PROJECT GREENLAND TOTAL:	PROJECT AUTH <u>2,450</u>	AUTH FOR APPROP <u>2,450</u>	APPROP AMOUNT <u>2,450</u>	PAGE
UNITED KINGDOM					
RAF LAKENHEATH					
F-15E ADD TO MUNITIONS MAINTENANCE FACILITY		850	850	850	303
ADD TO AND ALTER DORMITORY		3,700	3,700	3,700	282
UPGRADE STORM DRAINAGE SYSTEM		2,550	2,550	2,550	285
<u>RAF LAKENHEATH TOTAL:</u>		<u>7,100</u>	<u>7,100</u>	<u>7,100</u>	
<u>UNITED KINGDOM TOTAL:</u>		<u>7,100</u>	<u>7,100</u>	<u>7,100</u>	
<u>OUTSIDE THE UNITED STATES TOTAL:</u>		<u>38,273</u>	<u>38,273</u>	<u>38,273</u>	

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WORLDWIDE

<u>STATE/COUNTRY</u> <u>INSTALLATION</u>	<u>PROJECT</u>	<u>PROJECT</u> <u>AUTH</u>	<u>AUTH</u> <u>FOR</u> <u>APPROP</u>	<u>APPROP</u> <u>AMOUNT</u>	<u>PAGE</u>
VARIOUS VARIOUS LOCATIONS					
	PLANNING AND DESIGN	49,386	49,386	49,386	289
	UNSPECIFIED MINOR CONSTRUCTION	7,000	7,000	7,000	291
	<u>VARIOUS LOCATIONS TOTAL:</u>	<u>56,386</u>	<u>56,386</u>	<u>56,386</u>	
	<u>VARIOUS TOTAL:</u>	<u>56,386</u>	<u>56,386</u>	<u>56,386</u>	
	<u>WORLDWIDE TOTAL:</u>	<u>56,386</u>	<u>56,386</u>	<u>56,386</u>	
	<u>FY 95 TOTAL:</u>	<u>338,913</u>	<u>362,913</u>	<u>357,313</u>	

DEFINITIONS OF NEW AND CURRENT MISSION

NEW MISSION PROJECTS - These projects support the deployment and beddown of new weapons systems, new or additional aircraft, missile, and space programs and support of new equipment such as radars, communications, computers, satellite tracking and electronic security. New mission projects all support new programs and initiatives that do not revitalize the existing physical plant. The projects support new and additional requirements. Planning and design and minor construction are also included in this category.

CURRENT MISSION PROJECTS - These projects revitalize the existing facility plant by replacement or upgrading existing facilities and by alleviating long standing deficiencies not generated by new missions or equipment. Included are projects to improve the quality of life, upgrade the workplace and projects to increase productivity and achieve compliance with environmental, health and safety standards.

<u>FY 95</u>	<u>(\$000)</u>
NEW MISSION	\$142,817
CURRENT MISSION	\$214,496
TOTAL	\$357,313

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<u>STATE/COUNTRY</u> <u>INSTALLATION</u>	<u>PROJECT</u>	<u>APPROP</u> <u>AMOUNT</u>	<u>TYPE</u>
ALABAMA			
MAXWELL AFB			
	STUDENT DORMITORIES	9,600	CM
	<u>MAXWELL AFB TOTAL:</u>	<u>9,600</u>	
	<u>ALABAMA TOTAL:</u>	<u>9,600</u>	
ALASKA			
CAPE LISBURNE LRRS			
	UNDERGROUND FUEL STORAGE TANKS	2,800	CME
	<u>CAPE LISBURNE LRRS TOTAL:</u>	<u>2,800</u>	
	<u>ALASKA TOTAL:</u>	<u>2,800</u>	
CALIFORNIA			
BEALE AFB			
	UPGRADE STORM DRAINAGE FACILITIES	1,450	CME
	<u>BEALE AFB TOTAL:</u>	<u>1,450</u>	
EDWARDS AFB			
	UPGRADE HYDRANT FUELING SYSTEM	2,500	CME
	F-22 ALTER ENGINEERING TEST FACILITY	4,550	NM
	<u>EDWARDS AFB TOTAL:</u>	<u>7,050</u>	
TRAVIS AFB			
	FIRE TRAINING FACILITY	1,300	CME
	DORMITORY	2,300	NM
	<u>TRAVIS AFB TOTAL:</u>	<u>3,600</u>	
VANDENBERG AFB			
	FIRE TRAINING FACILITY	1,550	CME

Legend: CM - Current Mission
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<u>STATE/COUNTRY</u> <u>INSTALLATION</u>	<u>PROJECT</u>	<u>APPROX</u> <u>AMOUNT</u>	<u>TYPE</u>
	SLFI-UPGRADE NATURAL GAS DISTRIBUTION SYSTEM	5,000	CM
	<u>VANDENBERG AFB TOTAL:</u>	<u>6,550</u>	
	<u>CALIFORNIA TOTAL:</u>	<u>18,650</u>	
CLASSIFIED			
CLASSIFIED LOCATION			
	SPECIAL TACTICAL UNIT DETACHMENT FACILITY	2,141	NM
	<u>CLASSIFIED LOCATION TOTAL:</u>	<u>2,141</u>	
	<u>CLASSIFIED TOTAL:</u>	<u>2,141</u>	
COLORADO			
PETERSON AFB			
	UNDERGROUND FUEL STORAGE TANKS	1,750	CME
	<u>PETERSON AFB TOTAL:</u>	<u>1,750</u>	
	<u>COLORADO TOTAL:</u>	<u>1,750</u>	
DELAWARE			
DOVER AFB			
	DORMITORY	4,600	CM
	<u>DOVER AFB TOTAL:</u>	<u>4,600</u>	
	<u>DELAWARE TOTAL:</u>	<u>4,600</u>	
FLORIDA			
CAPE CANAVERAL AFS			
	CORROSION CONTROL FACILITY	1,700	CME
	DELTA LAUNCH OPERATIONS FACILITY	7,000	CM
	SLFI-UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	1,750	CM
	<u>CAPE CANAVERAL AFS TOTAL:</u>	<u>10,450</u>	

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<u>STATE/COUNTRY</u> <u>INSTALLATION</u>	<u>PROJECT</u>	<u>APPROP</u> <u>AMOUNT</u>	<u>TYPE</u>
EGLIN AFB			
	RENOVATE CLIMATIC TEST CHAMBER PHASE III	20,000	CM
	<u>EGLIN AFB TOTAL:</u>	<u>20,000</u>	
	<u>FLORIDA TOTAL:</u>	<u>30,450</u>	
GEORGIA			
MOODY AFB			
	UPGRADE AIRFIELD PAVEMENTS	8,000	NM
	DORMITORY	3,800	NM
	<u>MOODY AFB TOTAL:</u>	<u>11,800</u>	
ROBINS AFB			
	JSTARS ADD TO INTEGRATED SUPPORT FACILITY	3,100	NM
	JSTARS DORMITORY	5,525	NM
	JSTARS EXPANDED FLIGHT KITCHEN	1,850	NM
	JSTARS UTILITIES/ MISCELLANEOUS SUPPORT	3,825	NM
	UPGRADE STORM DRAINAGE SYSTEM	2,200	CME
	<u>ROBINS AFB TOTAL:</u>	<u>16,500</u>	
	<u>GEORGIA TOTAL:</u>	<u>28,300</u>	
IDAHO			
MT HOME AFB			
	DORMITORY	4,950	CM
	<u>MT HOME AFB TOTAL:</u>	<u>4,950</u>	
	<u>IDAHO TOTAL:</u>	<u>4,950</u>	
ILLINOIS			
SCOTT AFB			
	UNDERGROUND FUEL STORAGE TANKS	2,700	CME
	<u>SCOTT AFB TOTAL:</u>	<u>2,700</u>	

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<u>STATE/COUNTRY</u> <u>INSTALLATION</u>	<u>PROJECT</u>	<u>APPROP</u> <u>AMOUNT</u>	<u>TYPE</u>
	<u>ILLINOIS TOTAL:</u>	<u>2,700</u>	
KANSAS			
MCCONNELL AFB			
	UPGRADE STORM DRAINAGE FACILITIES	500	CME
	<u>MCCONNELL AFB TOTAL:</u>	<u>500</u>	
	<u>KANSAS TOTAL:</u>	<u>500</u>	
LOUISIANA			
BARKSDALE AFB			
	UPGRADE STORM DRAINAGE FACILITIES	1,500	CME
	<u>BARKSDALE AFB TOTAL:</u>	<u>1,500</u>	
	<u>LOUISIANA TOTAL:</u>	<u>1,500</u>	
MARYLAND			
ANDREWS AFB			
	DORMITORY	6,300	CM
	<u>ANDREWS AFB TOTAL:</u>	<u>6,300</u>	
	<u>MARYLAND TOTAL:</u>	<u>6,300</u>	
MISSISSIPPI			
KEESLER AFB			
	7-LEVEL TRAINING CLASSROOMS	1,800	NM
	7-LEVEL TRAINING DORMITORY	8,800	NM
	UPGRADE FIRE SUPPRESSION SYSTEM	640	NM
	<u>KEESLER AFB TOTAL:</u>	<u>11,240</u>	
	<u>MISSISSIPPI TOTAL:</u>	<u>11,240</u>	
MISSOURI			
WHITEMAN AFB			
	B-2 ADD TO AND ALTER AIRCRAFT APRON, TAXIWAY & CONVOY ROADS	4,600	NM

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	B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM	15,000	NM
	UPGRADE STORM DRAINAGE FACILITIES	1,290	CME
	B-2 ADD TO AND ALTER DOCK AND HANGAR FIRE PROTECTION SYSTEMS	3,400	NM
	<u>WHITEMAN AFB TOTAL:</u>	<u>24,290</u>	
	<u>MISSOURI TOTAL:</u>	<u>24,290</u>	
MONTANA			
MALMSTROM AFB			
	UNDERGROUND FUEL STORAGE TANKS	3,200	CME
	UNDERGROUND FUEL STORAGE TANKS MINUTEMAN III FACILITIES	4,000	CME
	<u>MALMSTROM AFB TOTAL:</u>	<u>7,200</u>	
	<u>MONTANA TOTAL:</u>	<u>7,200</u>	
NEBRASKA			
OFFUTT AFB			
	UNDERGROUND FUEL STORAGE TANKS	760	CME
	UPGRADE STORM DRAINAGE FACILITIES	1,500	CME
	<u>OFFUTT AFB TOTAL:</u>	<u>2,260</u>	
	<u>NEBRASKA TOTAL:</u>	<u>2,260</u>	
NEW JERSEY			
MCGUIRE AFB			
	DORMITORY	8,700	CM
	DORMITORY	1,600	NM
	UPGRADE SANITARY SEWER SYSTEM	4,800	CME
	UPGRADE STORM DRAINAGE FACILITIES	1,900	CME
	<u>MCGUIRE AFB TOTAL:</u>	<u>17,000</u>	
	<u>NEW JERSEY TOTAL:</u>	<u>17,000</u>	

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NEW MEXICO			
HOLLOMAN AFB			
	DORMITORY	3,950	CM
	<u>HOLLOMAN AFB TOTAL:</u>	<u>3,950</u>	
KIRTLAND AFB			
	UNDERGROUND FUEL STORAGE TANKS	3,200	CME
	<u>KIRTLAND AFB TOTAL:</u>	<u>3,200</u>	
	<u>NEW MEXICO TOTAL:</u>	<u>7,150</u>	
NORTH CAROLINA			
POPE AFB			
	AIRCRAFT PARKING APRON LIGHTING	1,500	NM
	FIRE TRAINING FACILITY	1,100	CME
	BRIDGE, ROAD AND UTILITIES	4,000	NM
	<u>POPE AFB TOTAL:</u>	<u>6,600</u>	
	<u>NORTH CAROLINA TOTAL:</u>	<u>6,600</u>	
NORTH DAKOTA			
GRAND FORKS AFB			
	UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES	5,200	CME
	<u>GRAND FORKS AFB TOTAL:</u>	<u>5,200</u>	
MINOT AFB			
	UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES	2,950	CME
	UNDERGROUND FUEL STORAGE TANKS	1,400	CME
	UPGRADE STORM DRAINAGE FACILITIES	1,500	CME
	<u>MINOT AFB TOTAL:</u>	<u>5,850</u>	
	<u>NORTH DAKOTA TOTAL:</u>	<u>11,050</u>	

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OHIO			
WRIGHT-PATTERSON AFB			
	UPGRADE STORM DRAINAGE SYSTEM	3,350	CME
	<u>WRIGHT-PATTERSON AFB TOTAL:</u>	<u>3,350</u>	
	<u>OHIO TOTAL:</u>	<u>3,350</u>	
OKLAHOMA			
ALTUS AFB			
	ADD TO AND ALTER DORMITORY	3,750	CM
	<u>ALTUS AFB TOTAL:</u>	<u>3,750</u>	
TINKER AFB			
	ALTER VENTILATION SYSTEM, CORROSION CONTROL FAC (DBOF)	8,400	CM
	UPGRADE STORM DRAINAGE SYSTEM	1,243	CME
	<u>TINKER AFB TOTAL:</u>	<u>9,643</u>	
VANCE AFB			
	FIRE TRAINING FACILITY	980	CME
	ALTER DORMITORIES	2,300	CM
	UPGRADE SANITARY SEWER SYSTEM	1,100	CME
	UPGRADE STORM DRAINAGE SYSTEM	1,800	CME
	<u>VANCE AFB TOTAL:</u>	<u>6,180</u>	
	<u>OKLAHOMA TOTAL:</u>	<u>19,573</u>	
SOUTH CAROLINA			
CHARLESTON AFB			
	UPGRADE HAZARDOUS WASTE STORAGE FACILITY	1,500	CME
	ALTER DORMITORIES	9,900	CM
	<u>CHARLESTON AFB TOTAL:</u>	<u>11,400</u>	
	<u>SOUTH CAROLINA TOTAL:</u>	<u>11,400</u>	

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SOUTH DAKOTA			
ELLSWORTH AFB			
	UPGRADE STORM DRAINAGE FACILITIES	1,450	CME
	<u>ELLSWORTH AFB TOTAL:</u>	<u>1,450</u>	
	<u>SOUTH DAKOTA TOTAL:</u>	<u>1,450</u>	
TENNESSEE			
ARNOLD AFB			
	HAZARDOUS WASTE/MATERIAL STORAGE FACILITY	1,900	CME
	<u>ARNOLD AFB TOTAL:</u>	<u>1,900</u>	
	<u>TENNESSEE TOTAL:</u>	<u>1,900</u>	
TEXAS			
KELLY AFB			
	UPGRADE HYDRANT FUELING SYSTEMS	3,700	CME
	ADD TO AND ALTER DORMITORY	2,250	CM
	UPGRADE SANITARY SEWER LINES	3,000	CME
	<u>KELLY AFB TOTAL:</u>	<u>8,950</u>	
LACKLAND AFB			
	7-LEVEL TRAINING CLASSROOMS	1,800	NM
	ALTER RECRUIT DORMITORY	3,400	CM
	<u>LACKLAND AFB TOTAL:</u>	<u>5,200</u>	
SHEPPARD AFB			
	7-LEVEL TRAINING CLASSROOMS	3,300	NM
	<u>SHEPPARD AFB TOTAL:</u>	<u>3,300</u>	
	<u>TEXAS TOTAL:</u>	<u>17,450</u>	

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<u>STATE/COUNTRY</u> <u>INSTALLATION</u>	<u>PROJECT</u>	<u>APPROP</u> <u>AMOUNT</u>	<u>TYPE</u>
WASHINGTON			
FAIRCHILD AFB			
	HAZARDOUS MATERIAL STORAGE FACILITY	1,400	CM
	UPGRADE STORM DRAINAGE FACILITIES	2,450	CME
	<u>FAIRCHILD AFB TOTAL:</u>	<u>3,850</u>	
	<u>WASHINGTON TOTAL:</u>	<u>3,850</u>	
WYOMING			
F E WARREN AFB			
	UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES	2,650	CME
	<u>F E WARREN AFB TOTAL:</u>	<u>2,650</u>	
	<u>WYOMING TOTAL:</u>	<u>2,650</u>	
	<u>INSIDE THE UNITED STATES TOTAL:</u>	<u>262,654</u>	
AZORES, PORTUGAL			
LAJES FIELD			
	REFUSE INCINERATOR	2,850	CME
	<u>LAJES FIELD TOTAL:</u>	<u>2,850</u>	
	<u>AZORES, PORTUGAL TOTAL:</u>	<u>2,850</u>	
CLASSIFIED			
CLASSIFIED LOCATION			
	WAR READINESS MATERIEL MAINTENANCE/MANAGEMENT FAC	1,300	NM
	WAR READINESS MATERIEL MEDICAL STORAGE FACILITY	2,100	NM
	WAR READINESS MATERIEL OPEN STORAGE FACILITY	650	NM
	<u>CLASSIFIED LOCATION TOTAL:</u>	<u>4,050</u>	
	<u>CLASSIFIED TOTAL:</u>	<u>4,050</u>	

Legend: CM - Current Mission
CME - Current Mission Environmental
NM - New Mission

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1995
CURRENT MISSION, NEW MISSION AND
WORLDWIDE
(DOLLARS IN THOUSANDS)
OUTSIDE THE UNITED STATES

STATE/COUNTRY <u>INSTALLATION</u>	<u>PROJECT</u>	<u>APPROP AMOUNT</u>	<u>TYPE</u>
GERMANY			
RAMSTEIN AB			
	HAZARDOUS MATERIAL STORAGE FACILITY	1,150	CME
	UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS	11,200	CME
	<u>RAMSTEIN AB TOTAL:</u>	<u>12,350</u>	
SPANGDAHLEM AB			
	CHILD DEVELOPMENT CENTER	2,273	CM
	UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS	7,200	CME
	<u>SPANGDAHLEM AB TOTAL:</u>	<u>9,473</u>	
	<u>GERMANY TOTAL:</u>	<u>21,823</u>	
GREENLAND			
THULE AB			
	FIRE TRAINING FACILITY	2,450	CME
	<u>THULE AB TOTAL:</u>	<u>2,450</u>	
	<u>GREENLAND TOTAL:</u>	<u>2,450</u>	
UNITED KINGDOM			
RAF LAKENHEATH			
	F-15E ADD TO MUNITIONS MAINTENANCE FACILITY	850	NM
	ADD TO AND ALTER DORMITORY	3,700	CM
	UPGRADE STORM DRAINAGE SYSTEM	2,550	CME
	<u>RAF LAKENHEATH TOTAL:</u>	<u>7,100</u>	
	<u>UNITED KINGDOM TOTAL:</u>	<u>7,100</u>	
	<u>OUTSIDE THE UNITED STATES TOTAL:</u>	<u>38,273</u>	
VARIOUS			
VARIOUS LOCATIONS			
	PLANNING AND DESIGN	49,386	WW

Legend: CM - Current Mission
CME - Current Mission Environmental
NM - New Mission

DEPARTMENT OF THE AIR FORCE
 MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1995
 CURRENT MISSION, NEW MISSION AND
 WORLDWIDE
 (DOLLARS IN THOUSANDS)
 WORLDWIDE

<u>STATE/COUNTRY INSTALLATION</u>	<u>PROJECT</u>	<u>APPROP AMOUNT</u>	<u>TYPE</u>
	UNSPECIFIED MINOR CONSTRUCTION	7,000	WW
	<u>VARIOUS LOCATIONS TOTAL:</u>	<u>56,386</u>	
	<u>VARIOUS TOTAL:</u>	<u>56,386</u>	
	<u>WORLDWIDE TOTAL:</u>	<u>56,386</u>	
	<u>FY 95 PROGRAM TOTAL:</u>	<u>357,313</u>	

Legend: CM - Current Mission
 CME - Current Mission Environmental
 NM - New Mission

Page No. **D-11**

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM
FY 1995 AMENDED PRESIDENT'S BUDGET
INSTALLATION INDEX

<u>INSTALLATION</u>	<u>HOST COMMAND</u>	<u>STATE/COUNTRY</u>	<u>PAGE</u>
ALTUS AFB	AETC	OKLAHOMA	184
ANDREWS AFB	AMC	MARYLAND	101
ARNOLD AFB	MTC	TENNESSEE	216
BARKSDALE AFB	ACC	LOUISIANA	97
BEALE AFB	ACC	CALIFORNIA	9
CAPE CANAVERAL AFS	SPC	FLORIDA	44
CAPE LISBURNE LRRS	PAF	ALASKA	6
CHARLESTON AFB	AMC	SOUTH CAROLINA	205
CLASSIFIED LOCATIONS	LEE	INSIDE THE U.S.	35
CLASSIFIED LOCATIONS	LEE	OUTSIDE THE U.S.	256
DOVER AFB	AMC	DELAWARE	40
EDWARDS AFB	MTC	CALIFORNIA	13
EGLIN AFB	MTC	FLORIDA	54
ELLSWORTH AFB	ACC	SOUTH DAKOTA	212
F.E. WARREN AFB	SPC	WYOMING	248
FAIRCHILD AFB	ACC	WASHINGTON	241
GRAND FORKS AFB	AMC	NORTH DAKOTA	166
HOLLOMAN AFB	ACC	NEW MEXICO	148
KEESLER AFB	AETC	MISSISSIPPI	105
KELLY AFB	MTC	TEXAS	220
KIRTLAND AFB	MTC	NEW MEXICO	152
LACKLAND AFB	AETC	TEXAS	230
LAJES FIELD	ACC	AZORES, PORTUGAL	252
RAF LAKENHEATH	AFE	UNITED KINGDOM	281
MALMSTROM AFB	AMC	MONTANA	124
MAXWELL AFB	AETC	ALABAMA	1
MCCONNELL AFB	AMC	KANSAS	96
MCGUIRE AFB	AMC	NEW JERSEY	135
MINOT AFB	ACC	NORTH DAKOTA	170
MOODY AFB	ACC	GEORGIA	65
MOUNTAIN HOME AFB	ACC	IDAHO	88
OFFUTT AFB	ACC	NEBRASKA	131
PETERSON AFB	SPC	COLORADO	36
POPE AFB	ACC	NORTH CAROLINA	156

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM
FY 1995 AMENDED PRESIDENT'S BUDGET
INSTALLATION INDEX

<u>INSTALLATION</u>	<u>HOST COMMAND</u>	<u>STATE/COUNTRY</u>	<u>PAGE</u>
RAMSTEIN AB	AFE	GERMANY	263
ROBINS AFB	MTC	GEORGIA	72
SCOTT AFB	AMC	ILLINOIS	92
SHEPPARD AFB	AETC	TEXAS	237
SPANGDAHLEM AB	AFE	GERMANY	270
THULE AB	SPC	GREENLAND	277
TINKER AFB	MTC	OKLAHOMA	188
TRAVIS AFB	AMC	CALIFORNIA	20
TYNDALL AFB	AETC	FLORIDA	58
VANCE AFB	AETC	OKLAHOMA	195
VANDENBERG AFB	SPC	CALIFORNIA	27
VARIOUS LOCATIONS	LEE	VARIOUS LOCATIONS	288
WHITEMAN AFB	ACC	MISSOURI	112
WRIGHT-PATTERSON AFB	MTC	OHIO	180

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM
FISCAL YEAR 1995

ECONOMIC CONSIDERATIONS

An economic evaluation has been accomplished for all projects costing over \$2 million and the results are addressed in the individual DD Forms 1391. Life cycle economic analyses or justifications why an economic analysis was not warranted will be submitted directly to the OSD staff at their request.

DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL

In accordance with Public Law, 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

ENVIRONMENTAL STATEMENT

In accordance with Section 102(2) (c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process (EIAP) has been completed or is actively underway for all projects in the Air Force FY 1995 Military Construction Program.

EVALUATION OF FLOODPLAINS AND WETLANDS

All projects in the program have been evaluated for compliance with Executive Orders 11988, Floodplain Management, and 11990, Protection of Wetlands, and the Floodplain Management Guidelines of U.S. Water Resources Council. Projects have been sited to avoid or reduce the risk of flood loss, minimize the impact of floods on human safety, health and welfare, preserve and enhance the natural and beneficial values of wetlands and minimize the destruction, loss or degradation of wetlands.

ENVIRONMENTAL COMPLIANCE

The FY 95 MILCON request includes \$105.3 million for requirements necessary to correct current environmental noncompliance situations and to prevent future noncompliance. The request is the result of an intense effort to correct environmental concerns existing in five major infrastructure areas: wastewater treatment systems, corrosion control systems, hydrant refueling systems, underground storage tank systems, and live fire training facilities.

FY 1995

CONGRESSIONAL REPORTING REQUIREMENTS

1. STATEMENTS ON NATO ELIGIBILITY

These are in response to the requirement in the FY 1988 Senate Appropriations Committee Report, 100-200, page 13, and are included in the appropriate project justifications.

2. STATEMENTS ON COMPLIANCE WITH CONSTRUCTION MANUAL 4210.1M

These are in response to the requirement in the FY 1988 Senate Appropriations Conference Report, 100-498, page 1003, and are included in each project justification.

3. NEW AND CURRENT MISSION ACTIVITIES

The FY 1989 Senate Appropriations Committee Report, 100-380, pages 10 and 11, identified a requirement to include an exhibit in the budget justification books that displayed required projects in two separate categories: New Mission and Current Mission. The CM (current mission) or NM (new mission) designation which follows the project on the listing at Tab D identifies each project as new or current mission. Additionally, each justification in Block 11 indicates whether the project supports a new or current mission.

4. RESOLUTION TRUST CORPORATION ASSETS

Senate Armed Services Committee Report 101-384, dated 20 July 1990, on the National Defense Authorization Act for FY 91 requested the Department to screen Resolution Trust Corporation assets to determine if proposed construction projects could be more economically met through the purchase of existing assets held by the Resolution Trust Corporation. The FY 95 Military Construction and Family Housing programs were compared to the current real estate asset inventory published by the Resolution Trust Corporation. It was determined and the Department certifies that no assets exist that can be economically used in lieu of the FY 95 projects requested.

THIRD PARTY FINANCING

Test of long-term facilities contracts

NONE

F-3

FY 1995
NON-MILCON CONSTRUCTION

This information is being provided in response to the requirement on page 1006 of the FY 1988 Appropriations Conference Report 100-498. Information on appropriations other than MILCON are on the following pages:

PROGRAM	PAGE NUMBER
Research and Development (RDT&E)	F-5

F-4

NON-MILCON FUNDING

RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (RDT&E) FUNDING

Refer to RDT&E Descriptive Summary Documentation for Detail

<u>PE</u>	<u>Type of Effort</u>	<u>FY</u>	<u>(\$000)</u>
3.41.11F	Alter Space Launch Complex- 4E Titan IV Program	1995	\$1,600
3.41.11F	Direct Current Electrical Power Upgrade	1995	2,500

APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, AIR FORCE

For acquisition, construction, installation, and equipment of temporary or permanent public works, military installations, facilities, and real property for the Air Force as currently authorized by law \$357,313,000 to remain available until September 30, 1999: Provided, that of this amount, not to exceed \$49,386,000, shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefor.

G-1

Military Construction, Air Force
Program and Financing (in thousands of dollars)

Identification code	57-3300-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions program)				Obligations			
		1993 actual	1994 est.	1995 est.	1993 actual	1994 est.	1995 est.		
Program by activities:									
Direct program:									
00.0101	Major construction	636,530	950,841	300,927	868,101	1,004,890	629,593		
00.0201	Minor construction	7,000	6,844	7,000	10,248	10,248	8,904		
00.0301	Planning	92,000	63,882	49,386	120,405	60,200	57,945		
00.0401	Supporting activities				5,947	4,245	4,872		
00.9101	Total direct program	735,530	1,021,567	357,313	1,010,450	1,079,583	701,314		
01.0101	Reimbursable program		323	323			323		
10.0001	Total	735,530	1,021,890	357,636	1,010,450	1,079,906	701,637		
Financing:									
Offsetting collections from:									
11.0001	Federal funds(-)		-323	-323		-323	-323		
17.0001	Recovery of prior year obligations				-12,063				
21.4002	Unobligated balance available, start of year:								
21.4003	Available to finance new budget plans				-1,303,369	-958,518	-900,502		
21.4009	Reprogramming from/to prior year budget plan	-81,992	-30,095			-30,095			
22.0001	Unobligated balance transferred to other acco	20,495			20,495				
24.4002	Unobligated balance available, end of year:								
24.4003	For completion of prior year budget plans	30,095			958,518	900,502	556,501		
25.0001	For completion of subsequent year budget	13,652			30,095				
39.0001	Unobligated balance expiring				13,652				
39.0001	Budget authority	717,780	991,472	357,313	717,780	991,472	357,313		
Budget authority:									
40.0001	Appropriation	717,780	1,021,567	357,313	717,780	1,021,567	357,313		
40.3601	Appropriation rescinded (unob bal)		-30,095			-30,095			
43.0001	Appropriation (adjusted)	717,780	991,472	357,313	717,780	991,472	357,313		
Relation of obligations to outlays:									
71.0001	Obligations incurred				1,010,450	1,079,583	701,314		
72.4001	Obligated balance, start of year				898,841	978,852	1,138,157		
74.4001	Obligated balance, end of year				-978,852	-1,138,157	-997,345		
77.0001	Adjustments in expired accounts (net)				-17,802				
78.0001	Adjustments in unexpired accounts				-12,063				
90.0001	Outlays (net)				900,575	920,278	842,126		

G-2

Military Construction, Air Force
Object Classification (in Thousands of dollars)

Identification code	57-3300-0-1-051	1993 actual	1994 est.	1995 est.
Direct obligations:				
132.001 Land and structures		100,537	107,667	111,847
199.001 Total Direct obligations				
Reimbursable obligations:				
232.001 Land and structures		100,537	107,667	111,847
299.001 Total Reimbursable obligations				
Allocation Accounts				
332.001 Land and structures			323	323
399.001 Total Allocation Accounts		909,913	971,916	589,467
999.901 Total obligations		909,913	971,916	589,467
Obligations are distributed as follows:				
Defense-Military:Army		1,010,450	1,079,906	701,637
Defense-Military:Navy				
Defense-Military:Air Force		737,629	755,934	505,158
Department of Transportation		171,776	210,982	130,986
		100,095	107,990	65,493
		1,010	5,000	
Total Obligations		1,010,450	1,079,906	701,637

Military Construction, Air Force (Rescissions of Appropriations)				
Program and Financial Code (in thousands of dollars)		SUPPLEMENTAL		
		Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed)		
Identification code	57-3300-5-1-051	1993 actual	1994 est.	1995 est.
Program by activities:				
10.0001	Total		-85,094	-42,547 -25,528
Financing:				
Unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans			42,547
Unobligated balance available, end of year:				
24.4002	For completion of prior year budget plans		-42,547	-17,019
Budget authority (Appropriation rescinded) (				
40.3501			-85,094	-85,094
Relation of obligations to outlays:				
Obligations incurred:				
71.0001	Obligations incurred		-42,547	-25,528
72.4001	Obligated balance, start of year		35,399	37,962
74.4001	Obligated balance, end of year		-7,148	-22,975
90.0001	Outlays (net)			

G-4

Military Construction, Air Force
(Rescission Proposal)
Object Classification (in thousands of dollars) SUPPLEMENTAL

Identification code	57-3300-5-1-051	1993 actual	1994 est.	1995 est.

Object obligations:				
132.001 Land and structures			-42,547	-25,528
			-----	-----
199.001 Total Direct obligations			-42,547	-25,528
			-----	-----
999.901 Total obligations			-42,547	-25,528
			-----	-----

G-5

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST		
MAXWELL AIR FORCE BASE, ALABAMA				AIR EDUCATION AND TRAINING COMMAND				COST INDEX 0.74		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		973	1600	1466	1556	46	14			
b. End FY 1999		1000	1622	1595	1556	46	14			
		TOTAL								
		5,655								
		5,833								
7. INVENTORY DATA (\$000)										
a. Total Acreage: (3,528)										
b. Inventory Total As Of: (30 SEP 93) 204,118										
c. Authorization Not Yet In Inventory: 11,950										
d. Authorization Requested In This Program: 9,600										
e. Authorization Included In Following Program: (FY 1996) 31,700										
f. Planned In Next Three Program Years: 63,100										
g. Remaining Deficiency: 0										
h. Grand Total: 320,468										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE			SCOPE		COST (\$000)		DESIGN STATUS	
CODE							START		CMPL	
724-417		STUDENT DORMITORIES			200 PN		9,600		MAY 93 DEC 94	
					TOTAL:		9,600			
9a. Future Projects: Included in the Following Program (FY 1996)										
111-111		IMPROVE RUNWAY			35,000 SY		3,500			
171-851		AU PROFESSIONAL/TECH EDUCATION			60,000 SF		6,600			
171-851		PHASE II ADD TO AND ALTER ACADEMIC FACILITY			23,000 SF		2,700			
722-351		DINING FACILITY			31,700 SF		5,200			
724-433		CADET QUARTERS			400 PN		10,000			
740-884		CHILD DEVELOPMENT CENTER			34,800 SF		3,700			
					TOTAL:		31,700			
9b. Future Projects: Typical Planned Next Three Years:										
141-453		RENOVATE BASE OPERATIONS			22,607 SF		3,300			
171-844		OFFICER TRAINING FACILITY			83,000 SF		7,900			
724-417		CADET DORMITORY OTS			150 PN		7,900			
724-417		VISITING OFFICERS QUARTERS			200 PN		9,900			
740-674		PHYSICAL FITNESS CENTER			5,000 SF		500			
10. Mission or Major Functions: Headquarters Air University; Air War College; Air Command and Staff College; Squadron Officer School; Officer Training School; Center for Aerospace Doctrine, Research, and Education; Air Force Quality Center; Ira C Eaker Center for Professional Development; Air Force Historical Research Agency; Headquarters Air Force Reserve Officer Training Corps; Headquarters Civil Air Patrol; Community College of the Air Force; an air base wing (C-21 aircraft) and an Air Force Reserve airlift group (C-130 aircraft).										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:		0								
b. Water pollution:		0								
c. Occupational safety and health:		0								
d. Other Environmental:		0								

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MAXWELL AIR FORCE BASE, ALABAMA			STUDENT DORMITORIES		
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER	
8.57.96		724-417		PNQS943079	
				9.600	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
STUDENT DORMITORIES (200 PN)		SF	103,400		6,810
VISITING OFFICERS QUARTERS		SF	96,000	64	(6,144)
BILLETING OFFICE		SF	7,400	90	(666)
SUPPORTING FACILITIES					1,795
UTILITIES		LS			(440)
SITE IMPROVEMENTS		LS			(400)
PAVEMENTS		SY	13,000	28	(365)
DEMOLITION		SF	49,300	12	(590)
SUBTOTAL					8,605
CONTINGENCY (5%)					430
TOTAL CONTRACT COST					9,035
SUPERVISION, INSPECTION AND OVERHEAD (6%)					542
TOTAL REQUEST					9,577
TOTAL REQUEST (ROUNDED)					9,600
10. Description of Proposed Construction: Three buildings of reinforced concrete foundation and floor slabs, structural frame, walls and roof. Included room-bath modules, laundries, storage and lounge areas, and all necessary support. Demolition of two WW II vintage type dormitories. Provide a parking lot with drainage and street improvements. Air Conditioning: 320 Tons. Grade Mix: 200 01-03.					
11. REQUIREMENT: 1,226 PN ADEQUATE: 500 PN SUBSTANDARD: 776 PN PROJECT: Construct two student dormitories for the Squadron Officer School (SOS) and a new billeting office. (Current Mission) REQUIREMENT: Adequate living quarters are needed to accommodate approximately 608 students (company grade officers and civilians) in each of five 7-week courses annually offered at the school. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important training these students are to receive. The billeting office must provide a separate area for customer service, lounge, waiting area, front desk, lobby, admin, guest storage, general storage, locker room, and conference room, not now available in SOS dormitories. Two WW II vintage type dormitories will be demolished upon completion of this project. CURRENT SITUATION: The existing dormitories, constructed in 1956, have had only minor upgrades over the past years and are inadequate by current living standards. Major deficiencies are inadequate lighting, poor sound attenuation, deteriorated windows, outdated electrical and mechanical systems. These existing facilities are beyond economical repair. The billeting office serves an average of 230 guests per day and is also located in a five-story dormitory with limited space. There are no other					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MAXWELL AIR FORCE BASE, ALABAMA		
4. PROJECT TITLE		5. PROJECT NUMBER
STUDENT DORMITORIES		PNQS943079
facilities on base which could be upgraded to meet the billeting requirement. <u>IMPACT IF NOT PROVIDED:</u> The dormitories and billeting office will remain functionally substandard. This will adversely affect the overall education mission and lower student morale. <u>ADDITIONAL:</u> An economic analysis was prepared comparing alternatives of new construction, revitalization, leasing and status quo operation. Based on the present value and benefits of the respective alternatives, new construction was found to be the most cost-effective over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". This is also the first half of a two part program to correct SOS dormitory deficiencies. Two additional dormitories are programmed for FY 97 in order to meet the remaining requirements. This project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MAXWELL AIR FORCE BASE, ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
STUDENT DORMITORIES	PNQS943079	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 MAY 06	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	15%	
(d) Date 35% Designed.	94 APR 01	
(e) Date Design Complete	94 DEC 13	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	450	
(b) All Other Design Costs	270	
(c) Total	720	
(d) Contract	450	
(e) In-house	270	
(4) Construction Start	95 MAR	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
3. INSTALLATION AND LOCATION CAPE LISBURNE LONG RANGE RADAR SITE, ALASKA				4. COMMAND PACIFIC AIR FORCES				5. AREA CONST COST INDEX 2.75		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93										
b. End FY 1999										
7. INVENTORY DATA (\$000)										
a. Total Acreage: (1,125)										
b. Inventory Total As Of: (30 SEP 93) 23,733										
c. Authorization Not Yet In Inventory: 0										
d. Authorization Requested In This Program: 2,800										
e. Authorization Included In Following Program: (FY 1996) 0										
f. Planned In Next Three Program Years: 0										
g. Remaining Deficiency: 0										
h. Grand Total: 26,533										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START	CMPL	
411-134	UNDERGROUND FUEL STORAGE TANKS			13 EA		2,800		JUN 93	JUL 94	
				TOTAL:		2,800				
9a. Future Projects: Included in the Following Program (FY 1996) NONE										
9b. Future Projects: Typical Planned Next Three Years:										
10. Mission or Major Functions: An air control detachment which provides early warning defense.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution: 0										
b. Water pollution: 0										
c. Occupational safety and health: 0										
d. Other Environmental: 0										

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION CAPE LISBURNE LONG RANGE RADAR SITE, ALASKA			4. PROJECT TITLE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.74.56P	411-134	DBQT953005	2,800		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UNDERGROUND FUEL STORAGE TANKS	EA	13		1,680	
ABOVEGROUND STORAGE TANKS	EA	10	138,000	(1,380)	
TANK REMOVAL/DISPOSAL	EA	3	100,000	(300)	
SUPPORTING FACILITIES				730	
UTILITIES	LS			(100)	
SITE IMPROVEMENTS	LS			(75)	
SOIL REMEDIATION	LS			(75)	
FUEL PIPELINE	LF	1,600	300	(480)	
SUBTOTAL				2,410	
CONTINGENCY (10%)				241	
TOTAL CONTRACT COST				2,651	
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				172	
TOTAL REQUEST				2,823	
TOTAL REQUEST (ROUNDED)				2,800	
10. Description of Proposed Construction: Replace two 492,000 gallon, single walled vertical storage tanks with nine 30,000 gallon, self-diked tanks. Replace 25,000 gallon underground HOGAS tank with a self-diked above ground tank. Replace old piping with new piping as required. Install fuel detection, spill/overfill prevention and cathodic protection. Includes soil remediation, disposal, utilities and all necessary support.					
11. REQUIREMENT: As required.					
<u>PROJECT:</u> Remove and replace underground fuel storage tanks. (Current Mission)					
<u>REQUIREMENT:</u> This is a Level II environmental compliance requirement. An adequate fuel storage and pipeline system is required to replace the existing deteriorated system. Additionally, secondary containment around aboveground fuel storage areas is needed to contain spills in event of rupture. The Federal Oil Pollution Prevention Regulation (40 CFR, Section 112.7(e)(2)) requires impervious secondary containment for aboveground tanks. The smaller underground tanks, regulated by 40 CFR 280, requires replacement to meet the new construction standards by 22 December 1998. This site's mission, long-range radar protection of the US coastline, depends on stored fuel to operate during long winter months when it is inaccessible.					
<u>CURRENT SITUATION:</u> The existing fuel storage system was installed in 1952 and is now severely deteriorated. The two aboveground tanks are very pitted and the threat of a leak exists at any time. They are located on the beach, directly adjacent to the Arctic Ocean, and the dikes surrounding the tanks are unlined. The piping is old and does not have the necessary protection to prevent further deterioration. The underground tank represents a high potential leakage threat since it is					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CAPE LISBURN LONG RANGE RADAR SITE, ALASKA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS	DBQT953005	
unprotected steel over 15 years of age. A leak from any of the three tanks would have grave environmental consequences. The six to eight permanently assigned personnel at this small site have a limited capability to respond to a big spill. The age of the system, its beach location, lack of lined diking and leak detection, lack of spill/overflow prevention or cathodic protection, and limitations of the site to handle environmental problems demand this project. A notice of violation has not yet been assigned to this situation. <u>IMPACT IF NOT PROVIDED:</u> In the event of a fuel spill, surrounding soil and the Arctic Ocean would be quickly contaminated, causing significant damage to the environment, and the Air Force would be subject to litigation and fines under the Clean Water Act. Failure to take corrective action will result in fuel storage which still does not comply with regulatory requirements. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, repair and replacement construction) was done. It indicates there is only one option that satisfies statutory requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CAPE LISBURNE LONG RANGE RADAR SITE, ALASKA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS	DBQT953005	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUN 15	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	30%	
(d) Date 35% Designed.	94 FEB 15	
(e) Date Design Complete	94 JUL 05	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	HICKAM	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	120	
(b) All Other Design Costs	100	
(c) Total	220	
(d) Contract	30	
(e) In-house	190	
(4) Construction Start 94 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX		
BEALE AIR FORCE BASE, CALIFORNIA				AIR COMBAT COMMAND				1.24		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		465	2823	417				1	1	
b. End FY 1999		457	3027	440				1	1	1
7. INVENTORY DATA (\$000)										
a. Total Acreage: (22,944)										
b. Inventory Total As Of: (30 SEP 93) 182,134										
c. Authorization Not Yet In Inventory: 14,200										
d. Authorization Requested In This Program: 1,450										
e. Authorization Included In Following Program: (FY 1996) 0										
f. Planned In Next Three Program Years: 23,650										
g. Remaining Deficiency: 0										
h. Grand Total: 221,434										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START CMPL		
871-183		UPGRADE STORM DRAINAGE FACILITIES		LS		1,450		JUL 93 NOV 94		
						TOTAL:		1,450		
9a. Future Projects: Included in the Following Program (FY 1996) NONE										
9b. Future Projects: Typical Planned Next Three Years:										
130-142		FLIGHTLINE FIRE STATION		24,000 SF		4,600				
130-142		FIRE/CRASH RESCUE STATION		5,000 SF		1,200				
214-425		VEHICLE OPERATIONS AND MAINTENANCE		38,000 SF		5,100				
610-128		ADD TO MILITARY PERSONNEL SUPPORT CENTER		15,000 SF		3,050				
831-155		INDUSTRIAL WASTEWATER TREATMENT FACILITIES		LS		5,000				
10. Mission or Major Functions: A flying wing which includes two reconnaissance squadrons (U-2 and T-38 aircraft); the Air Force Combat Ammunition Center; an air refueling squadron (KC-135 aircraft); and an Air Force Space Command missile warning squadron which operates one of the Phased Array Warning System (Pave PAWS) radars.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:		2,250								
b. Water pollution:		3,500								
c. Occupational safety and health:		0								
d. Other Environmental:		1,500								

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
BEALE AIR FORCE BASE, CALIFORNIA			UPGRADE STORM DRAINAGE FACILITIES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.74.56C	871-183	BAEY992500	1,450		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE STORM DRAINAGE FACILITIES	LS			580	
SUPPORTING FACILITIES				725	
CORRECT CROSS-CONNECTIONS	LS			(725)	
SUBTOTAL				1,305	
CONTINGENCY (5%)				65	
TOTAL CONTRACT COST				1,370	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				82	
TOTAL REQUEST				1,452	
TOTAL REQUEST (ROUNDED)				1,450	
10. Description of Proposed Construction: Provide treatment of storm water runoff by correction of sanitary and storm sewer cross-connections and rerouting of non-storm water discharges to the sanitary sewer system. <u>Connect oil/water separators, and provide necessary support.</u>					
11. REQUIREMENT: As required.					
PROJECT: Upgrade storm drainage facilities. (Current Mission)					
REQUIREMENT: This is a Level II environmental compliance requirement. This project is required to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. Beale AFB applied for a storm water permit in Mar 92 under the state of California's baseline general permit process. The correction of non-storm water discharges and cross-connections are required no later than three years after filing the Notice of Intent to the state. The base is required to be in compliance with their National Pollutant Discharge Elimination System (NPDES) permit requirements by Mar 95. Corrective actions are required to eliminate sources of pollutants to storm drainage.					
CURRENT SITUATION: Currently, the base does not have a means to separate the runoff from non-storm water discharges. There are existing cross-connections which are not allowed by the NPDES permit. Some non-storm water discharges are connected to the storm drainage system which is not allowed by the state's general permit.					
IMPACT IF NOT PROVIDED: Beale AFB will be out of compliance with their NPDES permit. The continuous violation of storm water regulations have the potential for fines up to \$25,000 per day per violation and could create adverse publicity.					
ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However,					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BEALE AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE FACILITIES	BAEY992500	
this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BEALE AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE FACILITIES	BAEY992500	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 JUL 30
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		93 DEC 01
(e) Date Design Complete		94 NOV 30
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		87
(b) All Other Design Costs		157
(c) Total		244
(d) Contract		155
(e) In-house		89
(4) Construction Start 95 FEB		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX		
EDWARDS AIR FORCE BASE, CALIFORNIA				AIR FORCE MATERIEL COMMAND				1.38		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		658	3610	3376						
b. End FY 1999		622	3149	3583	11			29	20	112
										TOTAL
										7,644
										7,526
7. INVENTORY DATA (\$000)										
a. Total Acreage: (301,928)										
b. Inventory Total As Of: (30 SEP 93) 653,456										
c. Authorization Not Yet In Inventory: 62,400										
d. Authorization Requested In This Program: 7,050										
e. Authorization Included In Following Program: (FY 1996) 32,600										
f. Planned In Next Three Program Years: 25,800										
g. Remaining Deficiency: 0										
h. Grand Total: 781,306										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START	CMPL	
121-122	UPGRADE HYDRANT FUELING SYSTEM			8,200 LF		2,500		APR 93	AUG 94	
311-115	F-22 ALTER ENGINEERING TEST FACILITY			50,500 SF		4,550		MAY 93	JUL 94	
TOTAL:						7,050				
9a. Future Projects: Included in the Following Program (FY 1996)										
311-114	RENOVATE AIRCRAFT MAINTENANCE FACILITY			234,500 SF		7,800				
311-114	F-22 ADD/ALTER ENGINEERING AND DEVELOPMENT COMPLEX			107,000 SF		9,900				
721-312	DORMITORY COMPLEX			240 PN		9,400				
821-115	CLEAN AIR ACT COMPLIANCE			24 EA		4,000				
871-183	UPGRADE STORM DRAINAGE SYSTEM			LS		1,500				
TOTAL:						32,600				
9b. Future Projects: Typical Planned Next Three Years:										
121-122	UPGRADE HYDRANT FUELING SYSTEM			18,000 LF		5,800				
311-114	RENOVATE AIRCRAFT MAINTENANCE FACILITY			185,000 SF		7,600				
813-231	ADD TO AND ALTER ELECTRIC DISTRIBUTION SYSTEM, PHASE III			LS		12,400				
10. Mission or Major Functions: Air Force Flight Test Center which is responsible for flight test activities for all USAF aircraft and related avionics, flight control, and weapons systems (primary test aircraft include B-1, B-2, C-17, C-23, F-15, F-16, F-117, F-22, AC-130, OA-37, T-38 & UH-1); Air Force Test Pilot School; and Astronautics Directorate of the Phillips Laboratory. Major tenants include US Army Aviation Engineering Activity; NASA Ames Dryden Flight Research Facility; and Jet Propulsion Laboratory test facility. Also, a landing site for the space shuttle.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution: 8,000										
b. Water pollution: 5,300										
c. Occupational safety and health: 0										
d. Other Environmental: 9,300										

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
EDWARDS AIR FORCE BASE, CALIFORNIA			UPGRADE HYDRANT FUELING SYSTEM		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
7.80.56	121-122	FSPM953700	2,500		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE HYDRANT FUELING SYSTEM	LF	8,200	220	1,804	
SUPPORTING FACILITIES				330	
UTILITIES	LS			(80)	
SITE IMPROVEMENTS	LS			(50)	
LEAK DETECTION SYSTEM	LS			(200)	
SUBTOTAL				2,134	
CONTINGENCY (10%)				213	
TOTAL CONTRACT COST				2,347	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				141	
TOTAL REQUEST				2,488	
TOTAL REQUEST (ROUNDED)				2,500	
10. Description of Proposed Construction: Upgrade hydrant fuel system to meet 1998 California standards for underground high pressure fuel systems. Install double-wall pipe and a leak detection system; provide O&M manual and necessary support.					
11. REQUIREMENT: 12,400 LF ADEQUATE: 4,200 LF SUBSTANDARD: 8,200 LF PROJECT: Upgrade hydrant fueling system. (Current Mission) REQUIREMENT: This is a Level II environmental compliance requirement. The California Code of Regulations, Title 23, Chapter 16, para. 25281(k) and 25292(e) requires underground high pressure fuel systems be retrofitted with secondary containment (i.e. double-walled, monitored pipe) by December 1998. The hydrant fuel system servicing the large aircraft parking apron is a pressurized fuel system, and will be required to meet the new standards. CURRENT SITUATION: Except for 4200 linear feet of piping provided by the FY93 Military Construction Program, the existing hydrant fuel system consists of 6-14 inch single wall fiberglass piping installed in 1972. This system has no provision for leak detection or spill containment as required by the California Code of Regulations. The pipeline conveys fuel from a commercial supply point through the operating storage tanks to fuel dispensing outlets on the aircraft parking apron. IMPACT IF NOT PROVIDED: This base will continue to pose a threat of contaminating the ground water with hazardous petroleum products. After 1998, continued use of this pipeline will expose the Air Force to possible litigation. Alternatively, shutdown of the pipeline will severely impact this center's flight test mission. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However,					

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE UPGRADE HYDRANT FUELING SYSTEM		5. PROJECT NUMBER FSPM953700
this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission and regulatory requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE HYDRANT FUELING SYSTEM	FSPM953700	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 APR 15
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		93 OCT 15
(e) Date Design Complete		94 AUG 01
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		50
(b) All Other Design Costs		54
(c) Total		104
(d) Contract		
(e) In-house		104
(4) Construction Start		
		95 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
EDWARDS AIR FORCE BASE, CALIFORNIA			F-22 ALTER ENGINEERING TEST FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
6.42.39	311-115	FSPM923522	4,550		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
F-22 ALTER ENGINEERING TEST FACILITY		SF	50,500	52	2,626
SUPPORTING FACILITIES					1,280
ENTRY CONTROL, FENCE, AND ALARMS		LS			(600)
SCIF/SAR IMPROVEMENTS		LS			(530)
UTILITIES		LS			(100)
PAVEMENTS		LS			(50)
SUBTOTAL					3,906
CONTINGENCY (10%)					391
TOTAL CONTRACT COST					4,297
SUPERVISION, INSPECTION AND OVERHEAD (6%)					258
TOTAL REQUEST					4,555
TOTAL REQUEST (ROUNDED)					4,550
10. Description of Proposed Construction: Alter ceiling, wall, floor, and mechanical/electrical systems; provide Sensitive Compartmented Information Facility (SCIF) area, install security systems and fencing, upgrade utilities and provide necessary support. Air Conditioning: 25 Tons.					
11. REQUIREMENT: 1,329,700 SF ADEQUATE: 353,600 SF SUBSTANDARD: 976,100 SF PROJECT: Alter an F-22 engineering test facility. (New Mission) REQUIREMENT: The Air Force Flight Test Center requires a secure and modern aircraft maintenance and testing facility to house and conduct testing of the first F-22 Advanced Tactical Fighter (ATF) in FY96. The Engineering and Manufacturing Development (EMD) phase of the F-22 program includes a total of nine aircraft that will all be delivered to Edwards AFB by 1999. This facility will house the main flight test engineering staff and provide maintenance bays for the first EMD test aircraft which will be delivered in FY96. It must also provide a centralized secure area with Special Access Required (SAR) security requirements. The reliability and maintainability of each subsystem as well as the operational capability of the total weapon system will be assessed. CURRENT SITUATION: There are no existing hangars at Edwards AFB that have the proper electrical and mechanical systems to support testing, repairs, calibration, and trouble-shooting of the advanced F-22 instrumentation and avionics systems. Existing facilities also do not meet SAR security requirements. IMPACT IF NOT PROVIDED: The Air Force will be forced to delay and slow the scheduled F-22 test activities, resulting in millions of dollars in cost growth and delaying start of production and initial operational					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
F-22 ALTER ENGINEERING TEST FACILITY	FSPM923522	
capability. <u>ADDITIONAL:</u> There is no criteria/scope for this project in either Part II of Military Handbook 1190, "Facility Planning and Design Guide" or in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. Two follow-on MILCON projects, programmed for FY96 and FY97, will provide facilities to support the remaining EMD aircraft on a just-in-time schedule.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE		5. PROJECT NUMBER
F-22 ALTER ENGINEERING TEST FACILITY		FSPM923522
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 MAY 24	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	94 JAN 08	
(e) Date Design Complete	94 JUL 25	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	270	
(b) All Other Design Costs	145	
(c) Total	415	
(d) Contract	287	
(e) In-house	128	
(4) Construction Start 94 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
TRAVIS AIR FORCE BASE, CALIFORNIA				AIR MOBILITY COMMAND				COST INDEX 1.25			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		1113	5997	2040	177	411		5	16		9,759
b. End FY 1999		1114	5832	1978				5	16		8,945
7. INVENTORY DATA (\$000)											
a. Total Acreage: (6,922)											
b. Inventory Total As Of: (30 SEP 93) 450,102											
c. Authorization Not Yet In Inventory: 60,170											
d. Authorization Requested In This Program: 3,600											
e. Authorization Included In Following Program: (FY 1996) 26,500											
f. Planned In Next Three Program Years: 28,260											
g. Remaining Deficiency: 0											
h. Grand Total: 568,632											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
179-511	FIRE TRAINING FACILITY				LS	1,300		AUG 93	SEP 94		
721-312	DORMITORY				60 PN	2,300		SEP 93	AUG 94		
TOTAL:						3,600					
9a. Future Projects: Included in the Following Program (FY 1996)											
141-753	SQUADRON OPERATIONS/AIRCRAFT				42,705 SF	8,900					
	MAINTENANCE UNIT FACILITY										
721-312	ADD TO AND ALTER DORMITORY				140 PN	5,300					
721-312	ALTER DORMITORY				140 PN	5,300					
724-417	VISITING OFFICERS QUARTERS				100 PN	7,000					
TOTAL:						26,500					
9b. Future Projects: Typical Planned Next Three Years:											
141-753	FLIGHT OPERATIONS COMPLEX				45,600 SF	9,500					
171-618	FIELD TRAINING FACILITY				36,600 SF	5,900					
179-511	FIREMEN TRAINING FACILITY				LS	950					
218-868	PRECISION MEASURING EQUIP LAB				8,500 SF	1,800					
721-312	DORMITORY				186 PN	9,500					
10. Mission or Major Functions: Headquarters Fifteenth Air Force; an airlift wing which includes two C-5 and two C-141 squadrons; an Air Force Reserve associate airlift wing (C-5 and C-141 aircraft); a major Air Force medical center; and the largest aerial port on the west coast.											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
TRAVIS AIR FORCE BASE, CALIFORNIA			FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.18.56	179-511	XDAT973500	1,300		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
FIRE TRAINING FACILITY	LS			1,050	
SUPPORTING FACILITIES				125	
UTILITIES	LS			(50)	
PAVEMENTS	SY	1,300	31	(40)	
SITE IMPROVEMENTS	LS			(35)	
SUBTOTAL				1,175	
CONTINGENCY (5%)				59	
TOTAL CONTRACT COST				1,234	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				74	
TOTAL REQUEST				1,308	
TOTAL REQUEST (ROUNDED)				1,300	
10. Description of Proposed Construction: Construct a fire training facility to include: a 100 foot diameter environmentally acceptable fire training area with a large frame aircraft simulator, a liquid propane gas (LPG) tank of a 1000 gallon water capacity equivalency, a 500 gallon JP-4 fuel storage tank, a fuel/water separator, and a lined effluent holding pond with pumps and piping systems.					
11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a Level I environmental compliance project. The existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122.26). This project constructs a training facility which meets CWA, Clean Air Act, and the Resource Conservation and Recovery Act (RCRA) requirements. The following features must be provided: impermeable liner below the burn area, fuel/water separator and nondischarging effluent holding pond to prevent contamination of soil and groundwater. Live fire training is an FAA established quarterly training requirement for the fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable environmental requirements. CURRENT SITUATION: The existing live fire training facility does not meet the CWA requirements and has been closed since 1984. Since its closure, all fire training has been done simulating live fire. This facility is inadequate for use as a fire fighting training facility as defined by Air Force regulations. The current aircraft mock-up is smaller than the required size and is not accessible for multi-directional approaches creating an artificial environment which limits the quality of training.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE TRAINING FACILITY	XDAT973500	
The existing facility does not have high-density polyethylene flexible membrane liners, a leak detection system, and spill containment capability. There are no environmentally approved live fire training facilities in the local area. Structural fire training is provided only when facilities are burned for purposes of demolition. The only aircraft fire training is provided through simulated live fire fighting exercises. This method allows for using water only during practice which does not replicate "real fire" conditions necessary for fire fighters to maintain required proficiency. Additionally, limited manning does not allow TDY to train at other bases while simultaneously providing sufficient crash and rescue coverage of the airfield. A remedial information feasibility study (RIFS) is being performed to determine what, if any, environmental clean-up actions are to be accomplished. <u>IMPACT IF NOT PROVIDED:</u> The existing facility is closed because of previous violations of environmental requirements. Required live fire training for the assigned fire fighters is not available. Without the stress and realism that come only with live fires, the fire fighters lose proficiency in combating fires. The potential for loss of aircraft and life is increased. <u>ADDITIONAL:</u> There are no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE TRAINING FACILITY	XDAT973500	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 AUG 15
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		93 NOV 15
(e) Date Design Complete		94 SEP 15
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		SCOTT
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		
(b) All Other Design Costs		10
(c) Total		10
(d) Contract		
(e) In-house		10
(4) Construction Start		
		94 DEC
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
TRAVIS AIR FORCE BASE, CALIFORNIA			DORMITORY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.12.19	721-312	XDAT953303R1	2,300		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (60 PN)		SF	13,600	130	1,768
SUPPORTING FACILITIES					315
UTILITIES		LS			(95)
SITE IMPROVEMENTS		LS			(100)
PAVEMENTS		LS			(120)
SUBTOTAL					2,083
CONTINGENCY (5%)					104
TOTAL CONTRACT COST					2,187
SUPERVISION, INSPECTION AND OVERHEAD (6%)					131
TOTAL REQUEST					2,318
TOTAL REQUEST (ROUNDED)					2,300
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath-room modules, laundries, storage and lounge areas and other necessary support. Air Conditioning: 40 Tons. Grade Mix: 54 E1-E4; 5 E5-E6; 1 E7-E9.					
11. REQUIREMENT: 2,923 PN ADEQUATE: 2,014 PN SUBSTANDARD: 1,639 PN PROJECT: Construct a dormitory. (New Mission) REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. CURRENT SITUATION: The Base Realignment and Closure, Round III (BRAC 93) decision realigned KC-10s to Travis. Subsequent to the closure decision the USAF decided to consolidate further by moving additional KC-10 aircraft to Travis. There are not enough dormitories to accommodate the additional unaccompanied enlisted personnel who will relocate to this base in support of this tanker realignment. By adding this requirement to the BRAC dormitory project a single facility can be constructed to satisfy both requirements. The current dormitory occupancy rate at Travis is 96 percent. IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". This is a companion project to the BRAC 93 Dormitory project XDAT953307 which					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE		5. PROJECT NUMBER
DORMITORY		XDAT953303R1
results in a 228 person dormitory. This project meets FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY	XDAT953303R1	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 SEP 20	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	15%	
(d) Date 35% Designed.	94 APR 12	
(e) Date Design Complete	94 AUG 20	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	138	
(b) All Other Design Costs	102	
(c) Total	240	
(d) Contract	200	
(e) In-house	40	
(4) Construction Start		
	95 FEB	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION		4. COMMAND						5. AREA CONST		
VANDENBERG AIR FORCE BASE, CALIFORNIA		AIR FORCE SPACE COMMAND						COST INDEX 1.36		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		667	2650	1226						
b. End FY 1999		609	2269	1223						4,101
7. INVENTORY DATA (\$000)										
a. Total Acreage: (98,830)										
b. Inventory Total As Of: (30 SEP 93) 1,109,649										
c. Authorization Not Yet In Inventory: 15,650										
d. Authorization Requested In This Program: 6,550										
e. Authorization Included In Following Program: (FY 1996) 15,500										
f. Planned In Next Three Program Years: 39,200										
g. Remaining Deficiency: 0										
h. Grand Total: 1,186,549										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START	CMPL	
179-511	FIRE TRAINING FACILITY			LS	1,550	APR 93	AUG 94			
824-464	SLFI - UPGRADE NATURAL GAS DISTRIBUTION SYSTEM			LS	5,000	JUL 93	APR 94			
					TOTAL:	6,550				
9a. Future Projects: Included in the Following Program (FY 1996)										
141-766	SLFI - CHEMICAL TEST AND ANALYSIS LABORATORY			14,600 SF	4,000					
212-213	ADD TO AND ALTER MISSILE MAINTENANCE FACILITY			74,900 SF	9,500					
833-354	REGIONAL COMPOSTING FACILITY			LS	2,000					
					TOTAL:	15,500				
9b. Future Projects: Typical Planned Next Three Years:										
130-142	CONSOLIDATED FIRE STATION			7,000 SF	2,000					
171-476	COMBAT ARMS FACILITY			5,000 SF	1,400					
171-621	TECHNICAL TRAINING CLASSROOM			125,000 SF	24,000					
219-000	BASE ENGINEER COMPLEX			108,151 SF	8,600					
312-476	SATELLITE PROCESSING FACILITY			8,600 SF	3,200					
10. Mission or Major Functions: Headquarters Fourteenth Air Force; a space wing (UH-1 helicopters); and an Air Education and Training Command space and missile training squadron.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution: 0										
b. Water pollution: 4,700										
c. Occupational safety and health: 0										
d. Other Environmental: 2,600										

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
VANDENBERG AIR FORCE BASE, CALIFORNIA			FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
3.58.56	179-511	XUMU850038	1,550		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
FIRE TRAINING FACILITY	LS			1,050	
SUPPORTING FACILITIES				350	
UTILITIES	LS			(50)	
FUEL STORAGE TANK	LS			(25)	
SITE PREPARATION	LS			(25)	
PAVEMENTS	LS			(250)	
SUBTOTAL				1,400	
CONTINGENCY (5%)				70	
TOTAL CONTRACT COST				1,470	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				88	
TOTAL REQUEST				1,558	
TOTAL REQUEST (ROUNDED)				1,550	
10. Description of Proposed Construction: Construct a fire training facility (PTF) to include a lined, environmentally acceptable fire training pit meeting seismic requirements, with a large frame aircraft simulator, a 1000 gallon liquefied petroleum gas tank, a water conservation pond, an oil/water separator, and a water pump and piping system. Also includes a paved access road to the new site.					
11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. The old fire training pit did not meet the Clean Water Act requirements (40 CFR 122.26) and was closed (in 1989). Construct a crash fire training facility which meets Clean Water Act, Clean Air and RCRA requirements as applicable. Install an impermeable liner below the burn area, a separator, and a nondischarging water holding pond to prevent contamination of soil and groundwater. Live fire training is a quarterly training requirement established by the FAA to maintain a high level of proficiency for the fire fighters. It is Air Force policy to have a fire training facility, which both meets fire training requirements and complies with all applicable environmental requirements, located on every major Air Force installation. CURRENT SITUATION: The base has no fire training facility at present. The old, previously-used live-fire training facility violated US Environmental Protection Agency (EPA) regulations and was closed in July 1989. The old facility, which had no oil/water separator for water, foaming agents and unburned fuels, has been identified as an Installation Restoration Program (IRP) site. Vandenberg fire fighters must travel to Edwards AFB to train, leaving the base undermanned during these periods					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VANDENBERG AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE TRAINING FACILITY	XUMU850038	
because manning levels do not support TDY training. This training approach is not only ineffective in both frequency and quality, but it is also dangerous for Vandenberg, leaving the base less protected. Due to this lack of a proper training facility, Vandenberg fire fighters currently receive only minimal training - less than that required by Air Force Reg 92-1, with a resulting decline in crash fire fighting proficiency. <u>IMPACT IF NOT PROVIDED:</u> Without the availability of on-base fire training, and the stress and realism of live fire conditions which it provides, fire fighting proficiency will continue to decline, and the potential for loss of life and Air Force property will continue to increase. The training of Vandenberg fire fighters at Edwards is an interim, makeshift work-around, and is not acceptable for long term practice. The solution of sending critically needed Vandenberg fire fighting personnel away for training will continue to jeopardize the base and the major launch complex at Vandenberg. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or AFM 86-2, "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VANDENBERG AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE TRAINING FACILITY	XUMU850038	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 APR 19	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	93 JUL 19	
(e) Date Design Complete	94 AUG 01	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	TYNDALL	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	45	
(b) All Other Design Costs	62	
(c) Total	107	
(d) Contract	57	
(e) In-house	50	
(4) Construction Start		
	94 NOV	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
VANDENBERG AIR FORCE BASE, CALIFORNIA			SLFI - UPGRADE NATURAL GAS DISTRIBUTION SYSTEM		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
3.51.81	824-464	XUMU950004	5,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
SLFI - UPGRADE NATURAL GAS DISTRIBUTION SYSTEM		LS			4,293
UPGRADE LINES		LF	183,000	21	(3,843)
CATHODIC PROTECTION		LS			(450)
SUBTOTAL					4,293
CONTINGENCY (10%)					429
TOTAL CONTRACT COST					4,722
SUPERVISION, INSPECTION AND OVERHEAD (6%)					283
TOTAL REQUEST					5,005
TOTAL REQUEST (ROUNDED)					5,000
10. Description of Proposed Construction: Replace/upgrade deteriorated natural gas distribution system on the main base area and interconnect the north and south base distribution systems. The work includes gas lines, valves, meters, pressure regulators, and cathodic protection.					
11. REQUIREMENT: As required.					
PROJECT: Upgrade the natural gas distribution system. (Current Mission)					
REQUIREMENT: This is a Space Launch Facilities Infrastructure (SLFI) requirement. A reliable natural gas distribution system is needed to provide heat and power for spacelift support facilities. The work includes replacement and upgrading of the old, leaking natural gas distribution system on the main part of the base; and provides a redundant supply for north and south base by interconnecting those two currently existing and separate systems. Redundancy is needed to insure that backup generation capability is sustained during launch operations should a failure occur in the supply line.					
CURRENT SITUATION: The major portion of Vandenberg's existing natural gas system, which is located primarily in the main base area, is over 45 years old, undersized, and unsafe. During 1992, 25 leaks occurred (typically 1 or 2 per year occur at other bases), and 12 of these created a hazardous condition requiring immediate attention. The system has deteriorated to the point that it is a fire and safety hazard, and causes disruptions in service to critical launch facilities which provide support for mission-critical launch requirements. Use of natural gas to produce heat, steam, and backup power is less expensive than commercial electricity.					
IMPACT IF NOT PROVIDED: Ruptures in the existing natural gas system pipes could shut down a portion of the gas supply grid, seriously impacting the missile/space launch mission. Potentially serious gas-related fires and					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VANDENBERG AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
SLFI - UPGRADE NATURAL GAS DISTRIBUTION SYSTEM	XUMU950004	
explosions could occur, exposing personnel to the risk of serious injury or death. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or AFM 86-2, "Standard Facility Requirements". All known options were considered during the development of this project. No other option could meet the mission requirements; therefore, an exception to an economic analysis has been requested. Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VANDENBERG AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
SLFI - UPGRADE NATURAL GAS DISTRIBUTION SYSTEM	XUMU950004	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 JUL 19
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		100%
(d) Date 35% Designed.		93 OCT 14
(e) Date Design Complete		94 APR 01
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		300
(b) All Other Design Costs		84
(c) Total		384
(d) Contract		330
(e) In-house		54
(4) Construction Start		
		94 NOV
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION CLASSIFIED LOCATIONS (INSIDE AND OUTSIDE THE UNITED STATES)				4. COMMAND				5. AREA CONST COST INDEX 0.00		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 92										
b. End FY 1998										
7. INVENTORY DATA (\$000)										
a. Total Acreage: (0)										
b. Inventory Total As Of: (30 SEP 92) 0										
c. Authorization Not Yet In Inventory: 0										
d. Authorization Requested In This Program: 6,191										
e. Authorization Included In Following Program: (FY 1996) 4,176										
f. Planned In Next Three Program Years: 59,226										
g. Remaining Deficiency: 0										
h. Grand Total: 69,593										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN	STATUS	START	CMPL		
100-000		SPECIAL TACTICAL UNIT DETACHMENT FACILITY	LS	2,141						
217-742		WAR READINESS MATERIEL MAINTENANCE/MANAGEMENT FAC	10,000 SF	1,300	MAY 92				MAY 94	
442-515		WAR READINESS MATERIEL MEDICAL STORAGE FACILITY	18,000 SF	2,100	MAY 92				MAY 94	
452-252		WAR READINESS MATERIEL OPEN STORAGE FACILITY	62,000 SF	650	MAY 92				MAY 94	
				TOTAL:	6,191					
9a. Future Projects: Included in the Following Program (FY 1996)										
100-000		HAVE STARE RADAR BEDDOWN	LS	1,000						
100-000		SPECIAL TACTICAL UNIT DETACHMENT FACILITY	LS	3,176						
				TOTAL:	4,176					
9b. Future Projects: Typical Planned Next Three Years:										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution: 0										
b. Water pollution: 0										
c. Occupational safety and health: 0										
d. Other Environmental: 0										

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION CLASSIFIED LOCATION		4. PROJECT TITLE SPECIAL TACTICAL UNIT DETACHMENT FACILITY			
5. PROGRAM ELEMENT 2.72.48	6. CATEGORY CODE 100-000	7. PROJECT NUMBER PAY2954443	8. PROJECT COST(\$000) 2,141		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
SPECIAL TACTICAL UNIT DETACHMENT FACILITY		LS			2,141
SUBTOTAL					2,141
TOTAL CONTRACT COST					2,141
TOTAL REQUEST					2,141
TOTAL REQUEST (ROUNDED)					2,141
10. Description of Proposed Construction: Construct a Special Tactical Unit Detachment Facility.					
11. REQUIREMENT: As required. REQUIREMENT: Special Access Required.					

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST		
PETERSON AIR FORCE BASE, COLORADO				AIR FORCE SPACE COMMAND				COST INDEX 1.06		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		1304	1828	1559	8	7	1			
b. End FY 1999		1220	2018	1710	8	7	1			
7. INVENTORY DATA (\$000)										
a. Total Acreage: (1,280)										
b. Inventory Total As Of: (30 SEP 93)		155,171								
c. Authorization Not Yet In Inventory:		42,000								
d. Authorization Requested In This Program:		1,750								
e. Authorization Included In Following Program: (FY 1996)		16,239								
f. Planned In Next Three Program Years:		22,800								
g. Remaining Deficiency:		0								
h. Grand Total:		237,960								
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START CMPL		
411-135		UNDERGROUND FUEL STORAGE TANKS		33 EA		1,750		AUG 93 JUN 94		
				TOTAL:		1,750				
9a. Future Projects: Included in the Following Program (FY 1996)										
141-459		COMMAND AND CONTROL SUPPORT FACILITY		41,500 SF		7,839				
610-249		CONSOLIDATED WING OPERATIONS AND SUPPORT FACILITY		32,000 SF		5,000				
721-312		ADD TO AND ALTER DORMITORY		134 PN		3,400				
				TOTAL:		16,239				
9b. Future Projects: Typical Planned Next Three Years:										
130-142		FIRE SUBSTATION		4,600 SF		1,400				
442-758		BASE SUPPLIES & EQUIP WHSE I		39,000 SF		4,200				
610-128		CONSOLIDATED PERSONNEL CENTER		40,000 SF		5,400				
721-312		UNACCOMPANIED ENLISTED PERSONNEL HOUSING		422 PN		11,800				
10. Mission or Major Functions: Headquarters United States Space Command; Headquarters Air Force Space Command; Headquarters North American Air Defense Command; Space and Warning Systems Center; a space wing (C-21 aircraft); and an Air Force Reserve airlift wing (C-130 aircraft).										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:		0								
b. Water pollution:		0								
c. Occupational safety and health:		0								
d. Other Environmental:		0								

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
AIR FORCE		PETERSON AIR FORCE BASE, COLORADO		
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
3.58.50		411-135	TDKA933010	1,750
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UNDERGROUND FUEL STORAGE TANKS	EA	33		934
UNDERGROUND STORAGE TANKS	EA	11	50,000	(550)
ABOVEGROUND STORAGE TANKS	EA	2	20,000	(40)
ABOVEGROUND STORAGE TANKS	EA	1	230,000	(230)
TANK REMOVAL/DISPOSAL	EA	19	6,000	(114)
SUPPORTING FACILITIES				565
UTILITIES	LS			(15)
SITE IMPROVEMENTS	LS			(50)
SOIL REMEDIATION	LS			(500)
SUBTOTAL				1,499
CONTINGENCY (10%)				150
TOTAL CONTRACT COST				1,649
SUPERVISION, INSPECTION AND OVERHEAD (6%)				99
TOTAL REQUEST				1,748
TOTAL REQUEST (ROUNDED)				1,750
10. Description of Proposed Construction: Remove 19 storage tanks, install 11 new UST, 2 small AST and one 210,000 gallon AST. Install new tanks, lines, pumps, and dispensers. Includes containment, overfill protection, and leak detection systems, soil remediation, site work, utilities and other necessary support.				
11. REQUIREMENT: As required.				
<u>PROJECT:</u> Remove and replace underground fuel storage tanks. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level II environmental compliance requirement. All storage tanks which are regulated by 40 CFR 280 are required to be upgraded to new construction standards. The Environmental Protection Agency (EPA) has set standards that require all regulated tanks to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998.				
<u>CURRENT SITUATION:</u> Nineteen existing tanks are identified in the scope of this project: 18 vary in size from 500 gal to 15,000 gal, and one tank has a 210,000 gal capacity. Tank integrity is currently monitored by monthly inventory reconciliation and annual tightness testing. These measures may only be used until Dec 1998, by which time the tanks must have been upgraded. No measures are currently implemented to reliably meet overfill protection and leak containment criteria.				
<u>IMPACT IF NOT PROVIDED:</u> Without replacement and/or removal, tanks at Peterson AFB will be out of compliance with 1998 deadlines and subject to legal penalties. In addition, the soil in the vicinity of these tanks is likely to be contaminated, a further violation of regulatory standards. Also, failure to comply with new requirements will, in the case of leaking tanks or contaminated soil, result in health hazards.				

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS	TDKA933010	
ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". This project will complete all regulated underground tank upgrades at this base. Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS	TDKA933010	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 AUG 16	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	65%	
(d) Date 35% Designed.	93 OCT 08	
(e) Date Design Complete	94 JUN 17	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	105	
(b) All Other Design Costs	116	
(c) Total	221	
(d) Contract	132	
(e) In-house	89	
(4) Construction Start		
	94 OCT	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
3. INSTALLATION AND LOCATION DOVER AIR FORCE BASE, DELAWARE				4. COMMAND AIR MOBILITY COMMAND			5. AREA CONST COST INDEX 1.03				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		380	3816	1258	64	414	61	2	17	1	6,013
b. End FY 1999		396	3670	1228		13	4	1	11	2	5,325
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,936)											
b. Inventory Total As Of: (30 SEP 93) 214,741											
c. Authorization Not Yet In Inventory: 31,010											
d. Authorization Requested In This Program: 4,600											
e. Authorization Included In Following Program: (FY 1996) 800											
f. Planned In Next Three Program Years: 24,550											
g. Remaining Deficiency: 0											
h. Grand Total: 275,701											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
721-312	DORMITORY			79 PN		4,600		JUL 93	OCT 94		
TOTAL:						4,600					
9a. Future Projects: Included in the Following Program (FY 1996)											
610-121	VEHICLE OPERATIONS ADMIN			4,100 SF		800					
TOTAL:						800					
9b. Future Projects: Typical Planned Next Three Years:											
130-142	FIRE/CRASH RESCUE STATION			14,500 SF		2,300					
141-454	SPECIAL OPERATIONS			20,000 SF		2,650					
141-753	SQUADRON OPERATIONS / AIRCRAFT			42,303 SF		6,600					
	MAINTENANCE UNIT (AMU) FAC										
721-312	UNACCOMPANIED ENLISTED HSC			350 PN		4,400					
740-674	ADD TO AND ALTER PHYSICAL			19,600 SF		2,900					
	FITNESS CENTER										
10. Mission or Major Functions: An airlift wing which includes three C-5 squadrons; an Air Force Reserve C-5 associate airlift wing; and the largest aerial port on the east coast. Also, a joint military/civil use airfield.											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
DOVER AIR FORCE BASE, DELAWARE			DORMITORY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.18.96	721-312	FJXT963001	4,600		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
DORMITORY (79 PN)	SF	27,200	98	2,666	
SUPPORTING FACILITIES				1,495	
UTILITIES	LS			(225)	
SITE IMPROVEMENTS	LS			(150)	
PAVEMENTS	SY	5,000	35	(175)	
DEMOLITION	SF	105,000	9	(945)	
SUBTOTAL				4,161	
CONTINGENCY (5%)				208	
TOTAL CONTRACT COST				4,369	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				262	
TOTAL REQUEST				4,631	
TOTAL REQUEST (ROUNDED)				4,600	
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, structural frame, masonry walls and sloped metal roof. Includes room-bath-room modules, laundries, storage and lounge areas, demolition and asbestos removal/disposal, and necessary support. Air Conditioning: 100 Tons. Grade Mix: 22 E1-E4; 57 E5-E6.					
11. REQUIREMENT: 979 PN ADEQUATE: 775 PN SUBSTANDARD: 1,136 PN PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. CURRENT SITUATION: There are currently not enough adequate dormitories to meet the billeting requirements for unaccompanied enlisted personnel at this base. Substandard facilities to be replaced are modular facilities which do not provide semi-private baths, adequate control of heating and air conditioning, sufficient noise attenuation or necessary amenities to adequately house enlisted personnel. Upon completion of this project, all dormitories at this base will meet DoD standards. This project includes the demolition of fourteen substandard facilities totalling 104,963 square feet. The current dormitory occupancy rate at Dover is 98 percent. IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity and career satisfaction of the enlisted force will continue to be degraded. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
DOVER AIR FORCE BASE, DELAWARE		
4. PROJECT TITLE		5. PROJECT NUMBER
DORMITORY		FJXT963001
analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
DOVER AIR FORCE BASE, DELAWARE		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY	FJXT963001	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUL 21	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	94 JAN 12	
(e) Date Design Complete	94 OCT 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	276	
(b) All Other Design Costs	160	
(c) Total	436	
(d) Contract	400	
(e) In-house	36	
(4) Construction Start 94 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION CAPE CANAVERAL AIR FORCE STATION, FLORIDA				4. COMMAND AIR FORCE SPACE COMMAND				5. AREA CONST COST INDEX 0.98		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		135	178	196						509
b. End FY 1999		138	179	198						515
7. INVENTORY DATA (\$000)										
a. Total Acreage: (20,156)										
b. Inventory Total As Of: (30 SEP 93) 533,856										
c. Authorization Not Yet In Inventory: 63,453										
d. Authorization Requested In This Program: 10,450										
e. Authorization Included In Following Program: (FY 1996) 4,800										
f. Planned In Next Three Program Years: 8,150										
g. Remaining Deficiency: 0										
h. Grand Total: 620,709										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE	COST (\$000)	DESIGN START	STATUS CMPL			
211-159	CORROSION CONTROL FACILITY			6,000 SF	1,700	JUL 93	APR 94			
610-811	DELTA LAUNCH OPERATIONS FACILITY			39,000 SF	7,000	JUL 93	JUN 94			
812-224	SLFI - UPGRADE ELECTRICAL DISTRIBUTION SYSTEM			LS	1,750	MAY 93	AUG 94			
TOTAL:					10,450					
9a. Future Projects: Included in the Following Program (FY 1996)										
179-511	FIRE TRAINING FACILITY			LS	1,600					
890-272	SLFI - UPGRADE LAUNCH UTILITY CONTROL SYSTEM			LS	3,200					
TOTAL:					4,800					
9b. Future Projects: Typical Planned Next Three Years:										
141-454	SATELLITE PROCESSING OPERATIONS SUPPORT FACILITY			30,000 SF	4,150					
831-165	SEWAGE TREATMENT & DISPOSAL			LS	4,000					
10. Mission or Major Functions: A space launch squadron and space systems squadron which support operational and test launches of missiles, satellites, and space vehicles in equatorial and synchronous orbits. Also, supports interplanetary space activities, and major tenants such as NASA, and Army, Navy and Coast Guard units.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution: 2,100										
b. Water pollution: 7,000										
c. Occupational safety and health: 0										
d. Other Environmental: 0										

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION CAPE CANAVERAL AIR FORCE STATION, FLORIDA			4. PROJECT TITLE CORROSION CONTROL FACILITY		
5. PROGRAM ELEMENT 3.58.56	6. CATEGORY CODE 211-159	7. PROJECT NUMBER DBEH953002	8. PROJECT COST(\$000) 1,700		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
CORROSION CONTROL FACILITY	SF	6,000	115	690	
SUPPORTING FACILITIES				845	
UTILITIES	LS			(100)	
PARKING	EA	25	1,600	(40)	
SITE IMPROVEMENTS	LS			(130)	
DEMOLITION	SF	10,500	19	(200)	
VENTILATED PAINT BOOTH	LS			(375)	
SUBTOTAL				1,535	
CONTINGENCY (5%)				77	
TOTAL CONTRACT COST				1,612	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				97	
TOTAL REQUEST				1,709	
TOTAL REQUEST (ROUNDED)				1,700	
10. Description of Proposed Construction: A concrete frame structure, with a pitched, standing seam metal roof, and with split face or fluted masonry exterior walls. Interior areas include a blast room, paint spray booth, recycling and encapsulation area, crew room, rest rooms, special ventilation, maintenance area, air compressor room, fire detection and protection as required. Demolition of existing old facilities.					
11. REQUIREMENT: 6,000 SF ADEQUATE: 0 SUBSTANDARD: 10,509 SF PROJECT: Construct a corrosion control facility. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. This facility is needed to provide control of fugitive paint, volatile particulates, and abrasive particulates, in compliance with Florida Department of Environmental Regulation 17-2 and the Federal Clean Air Act of 1990, both of which prohibit practices which allow particulates to become airborne. This project will replace, and consolidate, uncontrolled blasting activities which are currently operating at various base complexes. This project will also provide a single, central facility which will establish and maintain proper environmental controls and meet safety requirements. CURRENT SITUATION: The existing sandblasting and painting operations at Cape Canaveral Air Force Station (CCAFS) are mainly accomplished in the industrial area; however, there are a number of uncontrolled blasting activities at the individual launch complexes. The open-air blasting results in silica concentrations exceeding OSHA standards and can damage sensitive equipment as well as pose a hazard to base personnel. IMPACT IF NOT PROVIDED: The various open-air sandblasting (corrosion control) activities at CCAFS will continue to operate individually and inefficiently. They will continue to be out of compliance with Federal					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CAPE CANAVERAL AIR FORCE STATION, FLORIDA		
4. PROJECT TITLE		5. PROJECT NUMBER
CORROSION CONTROL FACILITY		DBEH953002
and State regulations, present poor working conditions and a safety hazard for personnel, and have no ability to effectively recycle abrasives or control air emissions and airborne particulates. <u>ADDITIONAL:</u> The State of Florida has proposed more stringent regulations to be enacted in the near (2-5 years) future. When that happens, the Air Force will be in violation of state statutes, resulting in fines and penalties. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CAPE CANAVERAL AIR FORCE STATION, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
CORROSION CONTROL FACILITY	DBEH953002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 JUL 20
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		93 SEP 16
(e) Date Design Complete		94 APR 22
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		100
(b) All Other Design Costs		73
(c) Total		173
(d) Contract		100
(e) In-house		73
(4) Construction Start		
		94 DEC
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION CAPE CANAVERAL AIR FORCE STATION, FLORIDA			4. PROJECT TITLE DELTA LAUNCH OPERATIONS FACILITY		
5. PROGRAM ELEMENT 3.59.96	6. CATEGORY CODE 610-811	7. PROJECT NUMBER DBEH953004	8. PROJECT COST(\$000) 7,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DELTA LAUNCH OPERATIONS FACILITY		SF	39,000		3,930
TECHNICAL SUPPORT		SF	28,500	90	(2,565)
MISSILE OPERATIONS		SF	10,500	130	(1,365)
SUPPORTING FACILITIES					2,340
SITE IMPROVEMENTS		LS			(120)
PAVEMENTS		LS			(325)
UTILITIES		LS			(600)
EXTERIOR SECURITY/ENTRY CONTROL		LS			(350)
COMMUNICATIONS DUCTS		LF	17,200	55	(945)
SUBTOTAL					6,270
CONTINGENCY (5%)					314
TOTAL CONTRACT COST					6,584
SUPERVISION, INSPECTION AND OVERHEAD (6%)					395
TOTAL REQUEST					6,979
TOTAL REQUEST (ROUNDED)					7,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(2,000)
10. Description of Proposed Construction: Slab-on-grade, two story, concrete frame structure, precast concrete exterior walls, and single ply roof. Includes adequate parking, area lighting, utility connections, communications service, landscaping, and fire detection and protection. Air Conditioning: 120 Tons.					
11. REQUIREMENT: 64,724 SF ADEQUATE: 25,724 SF SUBSTANDARD: 35,626 SF PROJECT: Construct a Delta launch operations facility. (Current Mission) REQUIREMENT: This project will provide a safe and adequate permanent facility located outside the Launch Danger Area (LDA) to support Delta launch operations. A soft blockhouse will also be included to provide independent control and monitoring operations. Delta launch vehicles and personnel support the spacelifting of Global Positioning System (GPS) satellites, NASA payloads, and commercial satellites. Personnel perform the preflight process testing and erection of the launch vehicle, integration of spacecraft and launch vehicle, and vehicle launch control. CURRENT SITUATION: The Delta launch team (212 personnel) is operating out of temporary modular facilities which are located within the LDA, resulting in an extremely dangerous work situation. In 1991, a new type of launch vehicle motor was put into operation, requiring the LDA to be increased from 800 feet in diameter to 4,500 feet, and now all these modular facilities fall within this newer, larger LDA. The Department of Defense Explosives Safety Board (ESB) has directed that the Delta work force be relocated outside the LDA. Additionally, these temporary modulars are beyond their design life, have become maintenance intensive, and are nearly impossible to repair. IMPACT IF NOT PROVIDED: Personnel will be subjected to serious risk of injury and possible loss of life during launches. Operations will be in					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CAPE CANAVERAL AIR FORCE STATION, FLORIDA		
4. PROJECT TITLE		5. PROJECT NUMBER
DELTA LAUNCH OPERATIONS FACILITY		DBEH953004
direct violation of the DoD ESB directive and could be shut down, preventing further launches. The interim facilities fail to meet the minimal operational requirements, their design life has been exceeded, and operating from these inadequate, unsafe facilities will continue to adversely affect this mission. Launch operations and productivity will continue to be degraded due to this dangerous working environment. <u>ADDITIONAL:</u> A preliminary analysis of reasonable options for accomplishing this project (status quo, lease or purchase of trailers, lease of facility off-base, alternate location on Cape Canaveral AFS, and new construction) was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Project has been considered for FY98 force structure end strength.		

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION CAPE CANAVERAL AIR FORCE STATION, FLORIDA		
4. PROJECT TITLE DELTA LAUNCH OPERATIONS FACILITY	5. PROJECT NUMBER DBEH953004	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 JUL 12
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		60%
(d) Date 35% Designed.		93 SEP 30
(e) Date Design Complete		94 JUN 13
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		390
(b) All Other Design Costs		258
(c) Total		648
(d) Contract		469
(e) In-house		179
(4) Construction Start		94 OCT
b. Equipment associated with this project will be provided from other appropriations:		
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED
		COST (\$000)
UPS/GENERATOR	3080	95
SECURITY EQUIPMENT	3080	95
FIBER OPTICS	3080	95
CONSOLES	3020	95
		300
		400
		350
		950

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION CAPE CANAVERAL AIR FORCE STATION, FLORIDA			4. PROJECT TITLE SLFI - UPGRADE ELECTRICAL DISTRIBUTION SYSTEM		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
3.51.82	812-224	DBEH963002	1,750		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
SLFI - UPGRADE ELECTRICAL DISTRIBUTION SYSTEM		LF	8,200	100	820
SUPPORTING FACILITIES					695
TRANSFORMERS, CONTROLS, SWITCHGEAR		LS			(650)
DEMOLITION		LS			(45)
SUBTOTAL					1,515
CONTINGENCY (10%)					152
TOTAL CONTRACT COST					1,667
SUPERVISION, INSPECTION AND OVERHEAD (6%)					100
TOTAL REQUEST					1,767
TOTAL REQUEST (ROUNDED)					1,750
10. Description of Proposed Construction: Replace primary overhead electrical distribution lines with underground 15KV lines (8,200 LF) installed in concrete-encased 4 way duct bank. Replace existing oil transfer switch station with vacuum switches. Replace existing load center/unit substations at each pad. Demolish O/H poles and lines.					
11. REQUIREMENT: As required.					
PROJECT: Upgrade electrical distribution system at Atlas Launch Complex. (Current Mission)					
REQUIREMENT: This is a Space Launch Facilities Infrastructure (SLFI) requirement. Provide adequate reliable electrical power to the Atlas launch facilities. The Atlas launch program supports the Defense Satellite Communication System (DSCS), classified users, and commercial users.					
CURRENT SITUATION: The existing electrical overhead distribution system (8,200 LF) is over 30 years old. Due to the age of the overhead line and its location in a hostile marine environment, constant maintenance is required to replace deteriorated poles and failed insulators, and repair/replace conductors after burn down. The majority of the power centers, circuit breakers, feeders and lighting panels at the Atlas launch complex are obsolete, unsafe, and not maintainable. The existing feeder from the blockhouse to the pad is well beyond its service life, unreliable and a singularly troublesome item. There is no backup power capability for critical launch support equipment.					
IMPACT IF NOT PROVIDED: Continuing to operate at the Atlas launch facilities, using the existing power grid and outdated equipment, creates an unacceptable risk of a major disruption to launch capability from an electrical system failure. This could adversely impact the Atlas launch					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CAPE CANAVERAL AIR FORCE STATION, FLORIDA		
4. PROJECT TITLE		5. PROJECT NUMBER
SLFI - UPGRADE ELECTRICAL DISTRIBUTION SYSTEM		DBEH963002
program by causing launch delays, which could cost at least \$200,000 per day, and loss of critical launch pad time that would impact the schedule for all future launches. <u>ADDITIONAL:</u> There is no criteria/scope for this project in AFM 86-2 "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CAPE CANAVERAL AIR FORCE STATION, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
SLFI - UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	DBEH963002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 MAY 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	93 SEP 14	
(e) Date Design Complete	94 AUG 12	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	94	
(b) All Other Design Costs	73	
(c) Total	167	
(d) Contract		
(e) In-house	167	
(4) Construction Start		
	94 NOV	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION		4. COMMAND				5. AREA CONST COST INDEX				
EGLIN AIR FORCE BASE, FLORIDA		AIR FORCE				COST INDEX				
		MATERIEL COMMAND				0.73				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		1516	6541	3854						
b. End FY 1999		1529	6641	4106						12,276
7. INVENTORY DATA (\$000)										
a. Total Acreage: (456,483)										
b. Inventory Total As Of: (30 SEP 93) 480,418										
c. Authorization Not Yet In Inventory: 24,110										
d. Authorization Requested In This Program: 20,000										
e. Authorization Included In Following Program: (FY 1996) 6,600										
f. Planned In Next Three Program Years: 26,750										
g. Remaining Deficiency: 0										
h. Grand Total: 557,878										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START CMPL		
310-926		RENOVATE CLIMATIC TEST CHAMBER		136,500 SF		20,000		JUL 91 MAY 93		
		PHASE III								
				TOTAL:		20,000				
9a. Future Projects: Included in the Following Program (FY 1996)										
111-111		REPAIR RUNWAY		335,000 SY		5,400				
871-183		UPGRADE STORM DRAINAGE SYSTEM		LS		1,200				
				TOTAL:		6,600				
9b. Future Projects: Typical Planned Next Three Years:										
113-321		REPLACE AIRCRAFT PARKING APRON		90,000 SF		8,000				
211-147		HOT GUN LINE AIRCRAFT		29,700 SF		2,000				
		CALIBRATION SHELTER								
317-315		ADD TO TEST FACILITY FOR LCMA		4,000 SF		600				
721-312		RENOVATE DORMITORY		550 PN		6,000				
811-147		EMERGENCY POWER PLANT		4,800 KW		1,450				
10. Mission or Major Functions: Air Force Development Test Center (primary aircraft include AT-38, F-15, F-16, F-111, RF-4, T-38, NC-130, and UH-1); a test wing; Air Combat Command fighter wing with three F-15 squadrons and USAF Air Warfare Center (F-15 and F-16 aircraft); and an Air Force Special Operations Command special operations squadron (HC-130 aircraft). Major tenants include US Navy's Explosive Ordnance Disposal School and a Federal Bureau of Prisons medium security facility.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:		0								
b. Water pollution:		0								
c. Occupational safety and health:		0								
d. Other Environmental:		0								

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
EGLIN AIR FORCE BASE, FLORIDA			RENOVATE CLIMATIC TEST CHAMBER PHASE III		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
6.47.55	310-926	FTFA933027	20.000		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
RENOVATE CLIMATIC TEST CHAMBER PHASE III	SF	136,500	310	42,315	
SUPPORTING FACILITIES				11,025	
UTILITIES	LS			(5,325)	
MONITORING AND CONTROL SYSTEM	LS			(1,945)	
FIRE PROTECTION	LS			(2,475)	
MISCELLANEOUS SUPPORT	LS			(795)	
PAVEMENTS	LS			(220)	
SITE IMPROVEMENTS	LS			(265)	
SUBTOTAL				53,340	
CONTINGENCY (10%)				5,334	
TOTAL CONTRACT COST				58,674	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				3,520	
TOTAL REQUEST				62,194	
TOTAL REQUEST (ROUNDED)				62,000	
LESS FY93 AUTHORIZATION/APPROPRIATION				-5,000	
LESS FY94 AUTHORIZATION/APPROPRIATION				-37,000	
FY95 AUTHORIZATION FOR APPROPRIATION REQUEST				20,000	
FY95 APPROPRIATION REQUEST				20,000	
10. Description of Proposed Construction: Renovate equipment and main test chambers including replacement of wall, ceiling and floor systems, access doors, electrical and monorail lift systems and provide AFF fire protection system, and elevators. Renovate engineering and work areas; provide new air make-up unit and monitoring and control system. Upgrade electric service and provide necessary support.					
Air Conditioning: 1000 Tons.					
11. REQUIREMENT: 140,000 SF ADEQUATE: 3,500 SF SUBSTANDARD: 136,500 SF					
PROJECT: Renovate a climatic test chamber, phase 3 of 3. (Current Mission)					
REQUIREMENT: A facility is required for the complete environmental testing of aircraft, equipment and weapon systems to simulate the extreme weather conditions that may be encountered anywhere on earth. Performance, durability, reliability and operating parameters must be evaluated under all weather conditions, including rain, wind, fog, snow, ice and extreme heat or cold. The facility must have a make-up air system capable of maintaining temperature and humidity needed for climatic testing of Army, Navy and Air Force weapon systems and equipment.					
CURRENT SITUATION: This facility was built over forty years ago during World War II and is currently the only facility in existence that performs the full scale environmental testing of the largest aircraft in the Air Force inventory. The extreme conditions created in the chamber are causing rapid and severe deterioration of the ceiling, wall, floor and duct systems. Deterioration of the vapor barrier causes severe icing conditions within the chamber, resulting in considerable hazards to personnel and equipment. The electrical system has deteriorated to the point of being unsafe and no longer meets minimum code requirements.					

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA																		
4. PROJECT TITLE RENOVATE CLIMATIC TEST CHAMBER PHASE III		5. PROJECT NUMBER FTFA933027																
Band-aid repairs to this facility are no longer effective. <u>IMPACT IF NOT PROVIDED:</u> Climatic testing will have to be curtailed at this facility within a few years, making the reliability of much of the new equipment being developed for the US Armed Forces suspect. <u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide", or in Air Force Manual 86-2, "Standard Facility Requirements". Congress reduced the funding of this project by \$20.0M in the FY94 MILCON appropriation bill. However, they directed the Air Force to program \$20.0 in the FY95 MILCON program.																		
AUTHORIZATION AND APPROPRIATION SUMMARY <table border="1"> <thead> <tr> <th></th> <th>APPROVED BY CONGRESS FY 93</th> <th>APPROVED BY CONGRESS FY 94</th> <th>REQUESTED FY 95</th> </tr> </thead> <tbody> <tr> <td>AUTHORIZATION OF THE PROJECT</td> <td>64.0M</td> <td>0</td> <td>0</td> </tr> <tr> <td>AUTHORIZATION FOR APPROPRIATION</td> <td>5.0M</td> <td>37.0M</td> <td>20.0M</td> </tr> <tr> <td>APPROPRIATION</td> <td>5.0M</td> <td>37.0M</td> <td>20.0M</td> </tr> </tbody> </table>				APPROVED BY CONGRESS FY 93	APPROVED BY CONGRESS FY 94	REQUESTED FY 95	AUTHORIZATION OF THE PROJECT	64.0M	0	0	AUTHORIZATION FOR APPROPRIATION	5.0M	37.0M	20.0M	APPROPRIATION	5.0M	37.0M	20.0M
	APPROVED BY CONGRESS FY 93	APPROVED BY CONGRESS FY 94	REQUESTED FY 95															
AUTHORIZATION OF THE PROJECT	64.0M	0	0															
AUTHORIZATION FOR APPROPRIATION	5.0M	37.0M	20.0M															
APPROPRIATION	5.0M	37.0M	20.0M															

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
EGLIN AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
RENOVATE CLIMATIC TEST CHAMBER PHASE III	FTFA933027	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 JUL 26	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1994	100%	
(d) Date 35% Designed.	91 DEC 16	
(e) Date Design Complete	93 MAY 03	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)	
(a) Production of Plans and Specifications		
(b) All Other Design Costs		
(c) Total		
(d) Contract		
(e) In-house		
(4) Construction Start	94 DEC	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE	
3. INSTALLATION AND LOCATION TYNDALL AIR FORCE BASE, FLORIDA						4. COMMAND AIR EDUCATION AND TRAINING COMMAND		5. AREA CONST COST INDEX 0.75	
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED	
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL
a. As of 30 SEP 93		789	3838	951	143	167		7	3
b. End FY 1999		754	3722	964	143	167		7	3
7. INVENTORY DATA (\$000)									
a. Total Acreage: (28,906)									
b. Inventory Total As Of: (30 SEP 93) 233,924									
c. Authorization Not Yet In Inventory: 1,295									
d. Authorization Requested In This Program: 5,600									
e. Authorization Included In Following Program: (FY 1996) 3,750									
f. Planned In Next Three Program Years: 0									
g. Remaining Deficiency: 0									
h. Grand Total: 244,569									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995									
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS	
CODE								START CMPL	
130-835	SECURITY POLICE OPERATIONS			13,450 SF		2,400		NOV 93 SEP 94	
442-758	ADD TO BASE SUPPLY AND EQUIPMENT WAREHOUSE			58,500 SF		3,200		MAY 87 SEP 94	
TOTAL:						5,600			
9a. Future Projects: Included in the Following Program (FY 1996)									
149-962	CONTROL TOWER			1 EA		2,700			
179-511	FIREMEN TRAINING FACILITY			1 EA		1,050			
TOTAL:						3,750			
9b. Future Projects: Typical Planned Next Three Years:									
10. Mission or Major Functions: A fighter wing with three F-15 squadrons which is responsible for training all F-15 aircrews; Air Combat Command's Headquarters First Air Force, weapons evaluation group, tactical aerial targets squadron (QF-106 aircraft) and Southeast Air Defense Sector; NORAD's CONUS Region Operations Control Center; the Air Force Civil Engineering Support Agency; and an Air National Guard fighter interceptor detachment (F-15 aircraft). Also, the temporary beddown location for the Water Survival School.									
11. Outstanding pollution and safety (OSH) deficiencies:									
a. Air pollution: 0									
b. Water pollution: 6,000									
c. Occupational safety and health: 0									
d. Other Environmental: 0									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
TYNDALL AIR FORCE BASE, FLORIDA			SECURITY POLICE OPERATIONS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.75.96C	130-835	XLWU903030	2,400		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
SECURITY POLICE OPERATIONS	SF	17,350		1,703	
SECURITY POLICE CONTROL CENTER	SF	13,500	105	(1,418)	
COMBAT ARMS TRAINING & MAINT FAC	SF	3,850	74	(285)	
SUPPORTING FACILITIES				450	
VAULT & CELLS	LS			(90)	
DEMOLITION	SF	13,300	4	(55)	
RANGE COVER SUPPORTS & ROOF	LS			(35)	
PAVEMENTS	LS			(135)	
UTILITIES	LS			(135)	
SUBTOTAL				2,153	
CONTINGENCY (5%)				108	
TOTAL CONTRACT COST				2,261	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				124	
TOTAL REQUEST				2,385	
TOTAL REQUEST (ROUNDED)				2,400	
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, steel frame with masonry walls, pitched roof system, all utilities, parking, and necessary support for the new complex. Work to include interior renovation of Security Control Center and replacement of firing range cover supports and roof. Four facilities will be demolished. Air Conditioning: 80 Tons.					
11. REQUIREMENT: 21,841 SF ADEQUATE: 1,200 SF SUBSTANDARD: 18,275 SF <u>PROJECT:</u> Security Police Operations facility. (Current Mission) <u>REQUIREMENT:</u> An adequate facility is required to centrally house major functions supporting the security police mission. A combat arms training and maintenance facility is required to support the small arms range. An adequate central security control center is required adjacent to restricted areas containing high security resources. <u>CURRENT SITUATION:</u> The major operational functions of the 325th Security Police Squadron are conducted out of three different facilities dispersed around the base. Command and control, a vital element of security police operations, is hampered by having to operate out of these separated buildings. Arms, equipment, and personnel are located in separate facilities thus delaying rapid issue of items required to provide adequate and timely security response to emergencies. Timely information flow between security police operational elements is rarely achieved and administrative distribution alone requires one to two people, plus transportation, and several hours per day to accomplish. These buildings are 1943 vintage, awkwardly arranged, energy inefficient and require an excessive amount of maintenance. The existing combat arms training and maintenance facility was constructed in 1950. The classroom and office space is inadequate for the size of classes conducted today and it is					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION TYNDALL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE SECURITY POLICE OPERATIONS		5. PROJECT NUMBER XLWU903030
located across a main thoroughfare from the ranges. Range covers and supports require significant upgrade. The central security control center existng floor plan does not provide for efficient space utilization and it lacks a secure foyer. This project will result in the demolition of four facilities totaling 13,294 SF. <u>IMPACT IF NOT PROVIDED:</u> The mission will continue to be adversely affected by poor information flow; unrealistic span of control; dispersed command communications capabilities and a less than desired public customer service image. The quality of life in the work environment will continue to be substandard, negating the Air Force's new quality initiatives. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
TYNDALL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
SECURITY POLICE OPERATIONS	XLWU903030	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 NOV 24	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	30%	
(d) Date 35% Designed.	94 FEB 15	
(e) Date Design Complete	94 SEP 30	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	KEESLER	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	104	
(b) All Other Design Costs	88	
(c) Total	192	
(d) Contract	134	
(e) In-house	58	
(4) Construction Start		
	95 JAN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION TYNDALL AIR FORCE BASE, FLORIDA			4. PROJECT TITLE ADD TO BASE SUPPLY & EQUIPMENT WAREHOUSE		
5. PROGRAM ELEMENT 2.75.96C	6. CATEGORY CODE 442-758	7. PROJECT NUMBER XLWU903038	8. PROJECT COST(\$000) 3,200		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
ADD TO BASE SUPPLIES & EQUIP WHSE		SF	58,500	42	2,457
SUPPORTING FACILITIES					435
UTILITIES		LS			(140)
SITE IMPROVEMENTS		LS			(80)
PARKING		LS			(95)
DEMOLITION		SF	20,000	6	(120)
SUBTOTAL					2,892
CONTINGENCY (5%)					145
TOTAL CONTRACT COST					3,037
SUPERVISION, INSPECTION AND OVERHEAD (6%)					182
TOTAL REQUEST					3,219
TOTAL REQUEST (ROUNDED)					3,200
10. Description of Proposed Construction: Concrete slab floor, steel frame, masonry and corrugated metal walls, steel roof framing and a metal roof to join two existing warehouse structures. Includes all associated parking, demolition, utilities, and necessary support. Air Conditioning: 50 Tons.					
11. REQUIREMENT: 184,639 SF ADEQUATE: 0 SUBSTANDARD: 124,668 SF PROJECT: Add to Base Supply and Equipment Warehouse. (Current Mission) REQUIREMENT: A facility of adequate size and configuration is required for the storage of bulk and bin items to support base and flying missions. Functions associated with these support activities include contracting for receiving, processing, storing, controlling and issuing materials and supplies. CURRENT SITUATION: The base supply general purpose storage is housed in seven separate buildings. These dispersed facilities are of inadequate size and create inefficient handling and management of the materials and equipment supporting base missions. Four of the existing warehouses are wood frame structures built in 1940 and contain numerous interior wood columns which further reduces available space and efficiency. Base supply does not have a temperature controlled area and is presently borrowing cold storage space from a tenant activity on the base. This project will result in the demolition of one building with 20,000 SF. IMPACT IF NOT PROVIDED: Inefficient operation in dispersed substandard facilities will continue. Management and handling of material and equipment supplying Tyndall AFB's missions will be strained to meet mission needs. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However,					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
TYNDALL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE		5. PROJECT NUMBER
ADD TO BASE SUPPLY & EQUIPMENT WAREHOUSE		XLWU903038
this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
TYNDALL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
ADD TO BASE SUPPLY & EQUIPMENT WAREHOUSE	XLWU903038	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	87 MAY 15	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	30%	
(d) Date 35% Designed.	94 FEB 15	
(e) Date Design Complete	94 SEP 30	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	120	
(b) All Other Design Costs	136	
(c) Total	256	
(d) Contract	179	
(e) In-house	77	
(4) Construction Start	95 MAR	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX		
MOODY AIR FORCE BASE, GEORGIA				AIR COMBAT COMMAND				0.85		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		299	2656	389	9	25	6			1
b. End FY 1999		383	3040	460		106				3,989
7. INVENTORY DATA (\$000)										
a. Total Acreage: (5,931)										
b. Inventory Total As Of: (30 SEP 93) 124,945										
c. Authorization Not Yet In Inventory: 8,780										
d. Authorization Requested In This Program: 11,800										
e. Authorization Included In Following Program: (FY 1996) 27,030										
f. Planned In Next Three Program Years: 11,050										
g. Remaining Deficiency: 0										
h. Grand Total: 183,605										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START	CMPL	
113-321	UPGRADE AIRFIELD PAVEMENTS			93,000 SY		8,000		SEP 93	SEP 94	
721-312	DORMITORY			156 PN		3,800		SEP 93	SEP 94	
TOTAL:						11,800				
9a. Future Projects: Included in the Following Program (FY 1996)										
111-111	IMPROVE RUNWAY 18L-36R			LS		6,000				
111-111	EXTEND RUNWAY			LS		6,000				
141-232	AERIAL DELIVERY FACILITY			LS		4,600				
141-753	SQUADRON OPERATIONS FACILITY			20,000 SF		3,200				
149-962	CONTROL TOWER			1 EA		2,500				
211-159	LARGE AIRCRAFT WASHRACK FACILITY			32,100 SF		1,700				
442-758	BASE SUPPLIES & EQUIP WHSE			16,800 SF		1,600				
442-758	MISSION EQUIPMENT STORAGE FACILITY			11,000 SF		900				
871-183	STORM DRAINAGE FACILITIES			LS		530				
TOTAL:						27,030				
9b. Future Projects: Typical Planned Next Three Years:										
130-835	SECURITY POLICE FACILITY			13,700 SF		1,500				
610-129	WEAPONS SYSTEMS MAINT MGT FAC			45,000 SF		4,000				
722-351	DINING FACILITY			10,000 SF		1,500				
740-675	RECREATION LIBRARY			8,000 SF		1,050				
880-211	FIRE PROTECTION			168,423 SF		3,000				
10. Mission or Major Functions: A fighter wing with two fighter squadrons (F-16 aircraft). The temporary beddown location of two F-16 squadrons from Homestead AFB, FL. Also, one of the primary bases for the beddown of a composite wing (two F-16 squadrons, one A/OA-10 squadron, and one C-130 squadron).										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution: 1,500										
b. Water pollution: 1,500										
c. Occupational safety and health: 0										
d. Other Environmental: 1,500										

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MOODY AIR FORCE BASE, GEORGIA			UPGRADE AIRFIELD PAVEMENTS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.11.15	113-321	HACC953034	8,000		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE AIRFIELD PAVEMENTS	SY	93,000		5,280	
UPGRADE C-130 PRIMARY TAXIWAYS	SY	33,000	70	(2,310)	
UPGRADE INTERIOR RNWY TOUCHDOWNS	SY	33,400	70	(2,338)	
REPAIR INTERIOR RNWY OVERRUNS	SY	16,600	20	(332)	
CONSTRUCT C-130 PAVED SHOULDERS	SY	10,000	30	(300)	
SUPPORTING FACILITIES				1,615	
SITE PREPARATION	LS			(500)	
AIRFIELD LIGHTING SYSTEMS	LS			(200)	
ELECTRICAL DISTRIBUTION SYSTEM	LS			(350)	
WATER TOWER (270,000 GAL)	LS			(565)	
SUBTOTAL				6,895	
CONTINGENCY (10%)				690	
TOTAL CONTRACT COST				7,585	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				455	
TOTAL REQUEST				8,040	
TOTAL REQUEST (ROUNDED)				8,000	
10. Description of Proposed Construction: Replace/upgrade deteriorated and weak primary taxiways and interior runway touchdowns with 15 inches of new concrete pavement. Mill and overlay interior runway overruns with two inches of asphalt pavement. Construct asphalt shoulders with minimum of four inches of base material. Restripe runway, taxiway, and overruns as needed. Install airfield lighting, electrical system and water tower.					
11. REQUIREMENT: As required.					
<u>PROJECT:</u> Upgrade airfield pavements and construct new shoulders. (New Mission)					
<u>REQUIREMENT:</u> Adequate taxiways and runways of sufficient strength are essential to provide a suitable surface for taxiing and parking the newly assigned aircraft in support of the CSAF initiative to beddown a Composite Wing at Moody AFB. In addition, paved shoulders are required to reduce and prevent foreign object damage (FOD) to mission aircraft as a result of C-130 operations. New airfield lighting will be needed on the new shoulders and existing deteriorated runway lighting must be replaced. An electrical distribution system and 250,000 gallon water tower are required to support new adjacent facilities in the C-130 complex.					
<u>CURRENT SITUATION:</u> The condition of the existing taxiways and runway touchdowns are deteriorated, and of insufficient thickness (6-10 inches) to support the increased wheel loads associated with the new mission aircraft. With the heavier load of C-130 aircraft, the taxiways and touchdowns will rapidly deteriorate creating a high FOD potential to aircraft. The Air Force Civil Engineering Support Agency (AFCEA) evaluation team rated these pavement areas from fair to poor. In addition, there are no paved shoulders along primary taxiways and parking apron to help reduce FOD as a result of C-130 operations. Existing					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MOODY AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE AIRFIELD PAVEMENTS	HACC953034	
utilities and infrastructure are inadequate or do not exist to support C-130 facilities programmed to support the beddown of the Composite Wing. IMPACT IF NOT PROVIDED: The primary taxiways and runway touchdowns will deteriorate at an accelerated rate, increasing the probability of a major aircraft mishap. The new mission aircraft will increase the likelihood of periodic pavement failures, thus directly affecting mission capabilities. Without paved shoulders, the possibility of FOD damage to mission aircraft is very high. This will eventually have an adverse impact on the base's mission capability. New airfield lighting must be provided or all aircraft operations will be limited to daylight hours only. The electrical distribution system and the water tower must be provided or adjacent C-130 support facilities will not be operational. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MOODY AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE AIRFIELD PAVEMENTS	HACC953034	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 SEP 30
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		93 DEC 15
(e) Date Design Complete		94 SEP 30
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		228
(b) All Other Design Costs		412
(c) Total		640
(d) Contract		
(e) In-house		640
(4) Construction Start		
		95 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MOODY AIR FORCE BASE, GEORGIA			DORMITORY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.11.15	721-312	HACC953033	3,800		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
DORMITORY (156 PN)	SF	29,600	90	2,664	
SUPPORTING FACILITIES				735	
UTILITIES	LS			(195)	
SITE IMPROVEMENTS	LS			(195)	
PAVEMENTS	LS			(195)	
FIRE PROTECTION	LS			(150)	
SUBTOTAL				3,399	
CONTINGENCY (5%)				170	
TOTAL CONTRACT COST				3,569	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				214	
TOTAL REQUEST				3,783	
TOTAL REQUEST (ROUNDED)				3,800	
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, concrete framed facility, insulated maintenance-free exterior masonry walls, and standing seam metal roof. Includes room-bath-room modules, laundries, storage, lounge areas, fire protection, exterior site work and all necessary support work. Air Conditioning: 130 Tons. Grade Mix: 156 El-E4.					
11. REQUIREMENT: 1,396 PN ADEQUATE: 742 PN SUBSTANDARD: 152 PN PROJECT: Construct a dormitory. (New Mission) REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters with some degree of individual privacy are essential for the successful accomplishment of the increasingly complicated and important jobs these people must perform. The CSAF initiative to establish an air/land battlefield operation composite wing consisting of C-130s, A/OA-10s, and F-16s at Moody AFB is projected to add nearly 365 enlisted personnel. CURRENT SITUATION: With the stand-up of a Composite Wing at Moody AFB, the base will have a significant increase in manpower. This increase will exacerbate the existing shortfall of junior enlisted personnel dormitory spaces for E-1 to E-4s causing the deficit of bed spaces to increase from 346 to 502. This project will support the increase associated with the new mission only and the current deficit of 346 spaces will remain. In addition, the recent housing market analysis and the lessons learned during the emergency beddown of F-16s and personnel from Homestead AFB caused by Hurricane Andrew, showed that adequate housing is not available in the local community to support E-1 to E-4 personnel. IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MOODY AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY	HACC953033	
unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. This may significantly impact the capability and effectiveness of the new Wing. <u>ADDITIONAL:</u> All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MOODY AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY	HACC953033	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 SEP 28
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		93 DEC 15
(e) Date Design Complete		94 SEP 30
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		278
(b) All Other Design Costs		26
(c) Total		304
(d) Contract		228
(e) In-house		76
(4) Construction Start		
		95 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND		5. AREA CONST COST INDEX				
ROBINS AIR FORCE BASE, GEORGIA				AIR FORCE		0.95				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		754	3150	13599						
b. End FY 1999		726	3044	10365	13			5	1	61
		TOTAL								
		17,503								
		14,215								
7. INVENTORY DATA (\$000)										
a. Total Acreage: (8,720)										
b. Inventory Total As Of: (30 SEP 93) 521,999										
c. Authorization Not Yet In Inventory: 45,400										
d. Authorization Requested In This Program: 16,500										
e. Authorization Included In Following Program: (FY 1996) 15,170										
f. Planned In Next Three Program Years: 92,650										
g. Remaining Deficiency: 0										
h. Grand Total: 691,719										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	STATUS CMPL				
	610-285	JSTARS ADD TO INTEGRATED SUPPORT FACILITY	LS	3,100	JUL 93	MAR 94				
	721-312	JSTARS DORMITORIES	294 PN	5,525	JUL 93	MAR 94				
	723-388	JSTARS EXPANDED FLIGHT KITCHEN	8,800 SF	1,850	JUL 93	MAR 94				
	850-000	JSTARS UTILITIES/MISCELLANEOUS SUPPORT	LS	3,825	JUL 93	MAR 94				
	871-183	UPGRADE STORM DRAINAGE SYSTEM	LS	2,200	JUN 93	AUG 94				
		TOTAL:		16,500						
9a. Future Projects: Included in the Following Program (FY 1996)										
	211-179	FUEL SYSTEMS MAINTENANCE DOCK	35,000 SF	6,870						
	610-675	ALTER WEAPON SYSTEMS SUPPORT CENTER	370,000 SF	4,700						
	831-168	DEPOT HAZARDOUS WASTE PROCESSING FACILITY	32,000 SF	3,600						
		TOTAL:		15,170						
9b. Future Projects: Typical Planned Next Three Years:										
	113-321	J-STARS APRON & HYDRANTS SYSTEM	LS	9,000						
	141-753	J-STARS SQUADRON OPERATIONS FACILITY PHASE II	32,000 SF	4,800						
	211-111	J-STARS RELOCATE FAA TOWERS AND BUILDINGS	LS	350						
	211-154	DEPOT PLANT SERVICES COMPLEX	87,000 SF	7,900	TURN KEY					
	211-154	J-STARS AIRCRAFT MAINTENANCE UNIT	12,000 SF	1,600						
10. Mission or Major Functions: Warner Robins Air Logistics Center which is responsible for logistics management, support, & depot-level maintenance of F-15, C-130, & C-141 aircraft, helicopters, and avionics and electronic warfare systems; HQ AFRES; AMC air refueling wing with two KC-135 squadrons; ACC combat communications group; & an Air Force Space Command missile warning squadron which operates one of the Phased Array Warning System (Pave PAWS) radars. Also, ACC's main operating base for the Joint Surveillance & Target Attack Radar System (JSTARS) aircraft.										

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION						4. COMMAND			5. AREA CONST		
ROBINS AIR FORCE BASE, GEORGIA						AIR FORCE			COST INDEX		
						MATERIEL COMMAND			0.95		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of											
b. End FY											
7. INVENTORY DATA (\$000)											
a. Total Acreage:											
b. Inventory Total As Of:											
c. Authorization Not Yet In Inventory:											
d. Authorization Requested In This Program:											
e. Authorization Included In Following Program:											
f. Planned In Next Three Program Years:											
g. Remaining Deficiency:											
h. Grand Total:											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution: 6,000											
b. Water pollution: 1,400											
c. Occupational safety and health: 0											
d. Other Environmental: 3,600											

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE						
3. INSTALLATION AND LOCATION				4. PROJECT TITLE		
ROBINS AIR FORCE BASE, GEORGIA				JSTARS ADD TO INTEGRATED SUPPORT FACILITY		
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER		8. PROJECT COST(\$000)	
6.47.70 TIARA		610-285	UHHZ953017		3,100	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
JSTARS ADD TO INTEGRATED SUPPORT FACILITY				LS		1,880
INTEGRATED SUPPORT FACILITY				SF	14,000	(1,680)
PREWIRED WORKSTATIONS				LS		(200)
SUPPORTING FACILITIES						900
UTILITIES				LS		(150)
SITE IMPROVEMENTS				LS		(150)
PAVEMENTS				LS		(200)
SPECIAL FOUNDATIONS				LS		(400)
SUBTOTAL						2,780
CONTINGENCY (5%)						139
TOTAL CONTRACT COST						2,919
SUPERVISION, INSPECTION AND OVERHEAD (6%)						175
TOTAL REQUEST						3,094
TOTAL REQUEST (ROUNDED)						3,100
10. Description of Proposed Construction: Special foundations for expandable soil, concrete floor slab, structural steel framework, concrete masonry unit walls with roof system, maintenance free exterior finish, HVAC and electrical system. Facility includes computer and terminal areas, disk and tape storage area, electronic security, and software maintenance space. Project includes all utilities and necessary support. Air Conditioning: 40 Tons. 11. REQUIREMENT: 189,332 LS ADEQUATE: 175,332 LS SUBSTANDARD: 0 <u>PROJECT:</u> Add to the Joint Surveillance Target Attack Radar System (JSTARS) Integrated Support Facility (ISF). (New Mission) <u>REQUIREMENT:</u> Adequate ISF laboratory space is needed to complete the mission simulator/software support facility's (FY 92 MILCON) capability to test and develop JSTARS hardware and software. Space is required for depot-level software maintenance. Lab space must be environmentally controlled to house computer systems used to maintain JSTARS equipment. The ISF must be contiguous with the mission simulator/software support facility, so the depot and organic software functions can share computers and associated hardware. <u>CURRENT SITUATION:</u> Existing facilities are fully utilized and do not have sufficient space to accommodate additional computer equipment and personnel. Additionally, the special software and computer system integration capability that this project supports will be unique to the Air Force. Currently, the system contractor performs software maintenance for JSTARS. <u>IMPACT IF NOT PROVIDED:</u> The Air Force will be tied to contractor support for the life of the system at a net cost of \$89 million over the in-house organic costs. The Air Force use of the prime contractor for logistics						

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ROBINS AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
JSTARS ADD TO INTEGRATED SUPPORT FACILITY	UHHZ953017	
support of all depot-level software maintenance will be at a projected annual cost of \$5.6 million above the in-house operating costs. Additionally, the contractors start-up cost proposal for maintenance logistics support is over \$5 million above the Air Force organic start-up costs. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
AIR FORCE			
3. INSTALLATION AND LOCATION			
ROBINS AIR FORCE BASE, GEORGIA			
4. PROJECT TITLE			5. PROJECT NUMBER
JSTARS ADD TO INTEGRATED SUPPORT FACILITY			UHHZ953017
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a)	Date Design Started		93 JUL 30
(b)	Parametric Cost Estimates used to develop costs		Y
(c)	Percent Complete as of Jan 1994		60%
(d)	Date 35% Designed.		93 SEP 16
(e)	Date Design Complete		94 MAR 15
(2) Basis:			
(a)	Standard or Definitive Design -		NO
(b)	Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a)	Production of Plans and Specifications		186
(b)	All Other Design Costs		93
(c)	Total		279
(d)	Contract		195
(e)	In-house		84
(4) Construction Start			95 MAR
b. Equipment associated with this project will be provided from other appropriations: N/A			

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE						
3. INSTALLATION AND LOCATION				4. PROJECT TITLE		
ROBINS AIR FORCE BASE, GEORGIA				JSTARS DORMITORIES		
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER		8. PROJECT COST(\$000)	
6.47.70 TIARA		721-312	UHHZ953015		5,525	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
JSTARS DORMITORIES (294 PN)		SF	56,000	70	3,920	
SUPPORTING FACILITIES					1,045	
UTILITIES		LS			(375)	
SITE IMPROVEMENTS		LS			(250)	
PAVEMENTS		SY	12,000	35	(420)	
SUBTOTAL					4,965	
CONTINGENCY (5%)					248	
TOTAL CONTRACT COST					5,213	
SUPERVISION, INSPECTION AND OVERHEAD (6%)					313	
TOTAL REQUEST					5,526	
TOTAL REQUEST (ROUNDED)					5,525	
10. Description of Proposed Construction: Construct two structures with reinforced concrete foundation and floor slabs, maintenance free exterior masonry walls and standing seam metal roof. Includes room-bath-room modules, laundries, storage and lounge areas, all utilities, fire protection, exterior site work and necessary supporting facilities. Air Conditioning: 150 Tons. Grade Mix: 294 E1-E4.						
11. REQUIREMENT: 1,603 PN ADEQUATE: 960 PN SUBSTANDARD: 284 PN PROJECT: Construct two Joint Surveillance Target Attack Radar System (JSTARS) dormitories. (New Mission) REQUIREMENT: The dormitories are needed to house unaccompanied enlisted personnel assigned to support the new JSTARS squadrons at this base. A major Air Force objective is to provide unaccompanied enlisted personnel with housing that is conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters, which provide some degree of individual privacy, are essential to the successful accomplishment of the increasingly complicated jobs these people must perform. CURRENT SITUATION: Existing Robins Air Force Base dormitories are at capacity. No dormitory space is available to house the JSTARS personnel who will be stationed at Robins and there is insufficient affordable housing available in the off-base community. The average cost of off-base housing for our junior unaccompanied enlisted (E1-E4) personnel is \$525 to \$617 per month. Much of the off-base housing that is affordable for the junior enlisted personnel is considered unsuitable due to living conditions which do not meet Air Force and DOD standards. This project will provide facilities meeting current standards. IMPACT IF NOT PROVIDED: Failure to construct the dormitories will result						

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ROBINS AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
JSTARS DORMITORIES	UHHZ953015	
in the inability to properly house unaccompanied enlisted personnel assigned to support the JSTARS mission at Robins AFB. We will effectively force our junior unaccompanied enlisted people to live in expensive off-base housing which will serve to degrade the morale, productivity, and career satisfaction of the enlisted force. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". All known alternatives were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. This project has been considered for FY 98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ROBINS AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE		5. PROJECT NUMBER
JSTARS DORMITORIES		UHHZ953015
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 JUL 15
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1994		60%
(d) Date 35% Designed.		93 SEP 16
(e) Date Design Complete		94 MAR 15
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		271
(b) All Other Design Costs		116
(c) Total		387
(d) Contract		271
(e) In-house		116
(4) Construction Start		
		95 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ROBINS AIR FORCE BASE, GEORGIA			JSTARS EXPANDED FLIGHT KITCHEN		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
6.47.70	TIARA	723-388	UHHZ953030	1,850	
9. COST ESTIMATES					
ITEM	U/H	QUANTITY	UNIT COST	COST (\$000)	
JSTARS EXPANDED FLIGHT KITCHEN	SF	8,800		1,094	
FLIGHTLINE DINING FACILITY	SF	6,800	140	(952)	
IN-FLIGHT MEAL KITCHEN	SF	2,000	71	(142)	
SUPPORTING FACILITIES				555	
UTILITIES	LS			(250)	
SITE IMPROVEMENTS	LS			(130)	
PAVEMENTS	LS			(175)	
SUBTOTAL				1,649	
CONTINGENCY (5%)				82	
TOTAL CONTRACT COST				1,731	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				104	
TOTAL REQUEST				1,835	
TOTAL REQUEST (ROUNDED)				1,850	
10. Description of Proposed Construction: Reinforced concrete footings, foundations, and floor slab. Concrete masonry unit exterior walls with maintenance-free exterior surfaces, structural steel frame, and sloped roof. Landscaping, parking, and all other utilities and necessary support to provide a complete and usable facility. Air Conditioning: 40 Tons.					
11. REQUIREMENT: 8,800 SF ADEQUATE: 0 SUBSTANDARD: 0 <u>PROJECT</u> : Construct a consolidated flightline dining facility and in-flight meal kitchen to support Joint Surveillance Target Attack Radar System (JSTARS) operations. (New Mission) <u>REQUIREMENT</u> : An adequate dining facility and in-flight kitchen are required to support the two new JSTARS squadrons to be assigned to this base. This facility must be completed prior to the arrival of the first operational squadron and its assigned personnel in order to prevent undue expense and lost time in providing meals to the JSTARS personnel. The facility must provide capability to store food prior to preparation, prepare and serve complete meals to personnel assigned within the remotely located JSTARS operations area, and produce in-flight meals for personnel serving onboard mission aircraft. <u>CURRENT SITUATION</u> : The existing dining facility at Robins AFB is located over six miles from the JSTARS operations area which makes it very difficult to leave the area, travel across base, park a car, process through the food service line, eat, and return to work within one hour. There are no other dining facilities located on the JSTARS side of the flightline. Additionally, there is no in-flight kitchen at Robins to prepare the special in-flight meals and the existing dining facilities would be overloaded if required to meet the in-flight meal requirements					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ROBINS AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
JSTARS EXPANDED FLIGHT KITCHEN	UHHZ953030	
for the JSTARS mission. <u>IMPACT IF NOT PROVIDED:</u> Failure to construct this essential feeding facility will result in the inability to provide proper meals to personnel assigned within the JSTARS operations area without undue expense and lost productivity. Further, there will be no capability to provide expedient in-flight meals to crew members serving onboard JSTARS mission aircraft. <u>ADDITIONAL:</u> This project scope complies with Military Handbook 1190, "Facility Planning and Design Guide." All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
AIR FORCE			
3. INSTALLATION AND LOCATION			
ROBINS AIR FORCE BASE, GEORGIA			
4. PROJECT TITLE			5. PROJECT NUMBER
JSTARS EXPANDED FLIGHT KITCHEN			UHHZ953030
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a)	Date Design Started	93 JUL 15	
(b)	Parametric Cost Estimates used to develop costs	Y	
(c)	Percent Complete as of Jan 1994	60%	
(d)	Date 35% Designed.	93 SEP 16	
(e)	Date Design Complete	94 MAR 15	
(2) Basis:			
(a)	Standard or Definitive Design -	NO	
(b)	Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a)	Production of Plans and Specifications	111	
(b)	All Other Design Costs	37	
(c)	Total	148	
(d)	Contract	104	
(e)	In-house	44	
(4) Construction Start			94 DEC
b. Equipment associated with this project will be provided from other appropriations: N/A			

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ROBINS AIR FORCE BASE, GEORGIA			JSTARS UTILITIES/MISCELLANEOUS SUPPORT		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
6.47.70	TIARA	850-000	UHHZ953031	3,825	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
JSTARS UTILITIES/MISCELLANEOUS SUPPORT		LS			2,372
MUNITIONS STORAGE AND MAINTENANCE FAC		SF	2,250	89	(200)
RELOCATE/WIDEN BLUNK STREET		LF	9,500	94	(893)
RELOCATE FAA TRANSMITTER FACILITY		LS			(184)
800 TON CENTRAL CHILLER		EA	1	945,000	(945)
CONSTRUCT GATEHOUSE		SF	300	165	(50)
CONSTRUCT ROADWAY		LF	400	250	(100)
SUPPORTING FACILITIES					910
PAVEMENTS AND SITE IMPROVEMENTS		LS			(350)
UTILITIES		LS			(560)
SUBTOTAL					3,282
CONTINGENCY (10%)					328
TOTAL CONTRACT COST					3,610
SUPERVISION, INSPECTION AND OVERHEAD (6%)					217
TOTAL REQUEST					3,827
TOTAL REQUEST (ROUNDED)					3,825
10. Description of Proposed Construction: Reinforced concrete footings, foundations and floor slab, CMU walls, fire protection and utilities for munitions facility. Add one 800-ton chiller to the central chilled water plant. Relocate/widen Blunk Street to provide a 24' wide road. Relocate and extend utilities including storm sewer. Relocate FAA facilities. Construct a gatehouse and parking lot, and enlarge flood retention pond.					
11. REQUIREMENT: As required.					
<u>PROJECT:</u> Construct utility systems and miscellaneous facilities to support Joint Surveillance Target Attack Radar System (JSTARS). (New Mission)					
<u>REQUIREMENT:</u> A munitions facility is required to store and maintain unique low level munitions for JSTARS. Also, an additional chiller unit for the central chilled water plant is required to cool JSTARS related facilities on the east side of the base. Rerouting and widening of Blunk Street and relocating associated utilities needs to be accomplished to accommodate the increased traffic and required setbacks from newly constructed facilities. A gatehouse is required for entry control personnel. Relocation of the FAA complex is required to allow construction of a future project to extend the aircraft parking apron. A natural gas distribution line is needed from the metering point to the JSTARS hangar to provide dehumidification required for aircraft corrosion control operations. Upgrade of the weir on the existing flood retention pond is required to increase the pond's capacity to hold increased storm water runoff from impervious surfaces. Additional parking for 141 vehicles is required to accommodate the increased work population.					
<u>CURRENT SITUATION:</u> No facilities are available that will satisfy JSTARS munitions storage and maintenance requirements. The FY94 MILCON for the					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ROBINS AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
JSTARS UTILITIES/MISCELLANEOUS SUPPORT	UHHZ953031	
central chilled water plant and utility extension projects were designed to support the requirements for 13 JSTARS aircraft. The remaining aircraft were to be permanently stationed at overseas forward operating bases. This concept of operation was revised to permanently base all JSTARS aircraft at Robins AFB and employ TDY presence overseas. Thus, certain facilities have increased in scope and an additional chiller is required. The reactivation of an unused gate, which will provide access into the JSTARS area, requires that a gatehouse be constructed to support security personnel responsible for entry control. The new access point and gatehouse are required to help reduce congestion on Robins AFB resulting from the beddown of the 2,600 JSTARS personnel on an already congested base. The existing FAA towers and administrative offices are located on the only suitable site for extension of the existing aircraft parking apron necessary to support activation of the JSTARS mission. Adequate natural gas service is not available within the JSTARS area to meet the demands which will be generated by corrosion control operations. The existing width and route of Blunk Street, the main thoroughfare within the JSTARS area, are unacceptable from a traffic management standpoint as well as the functional relationship with the new facilities in the area. The existing flood retention pond is inadequately sized to meet the storm water loads generated in the JSTARS complex. The large amount of development in the area will substantially increase impervious surfaces. <u>IMPACT IF NOT PROVIDED:</u> Failure to provide any part of this project will result in the inability to properly support the beddown of JSTARS at this base. Munitions that cannot be maintained in a safe and combat ready state will not meet the mission requirements of JSTARS. The utility extension is essential for new facilities supporting the new mission. If the FAA facilities are not relocated, no area will be available for aircraft parking ramp. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternatives were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ROBINS AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
JSTARS UTILITIES/MISCELLANEOUS SUPPORT	UHHZ953031	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUL 15	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1994	60%	
(d) Date 35% Designed.	93 SEP 16	
(e) Date Design Complete	94 MAR 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	229	
(b) All Other Design Costs	115	
(c) Total	344	
(d) Contract	241	
(e) In-house	103	
(4) Construction Start	95 JAN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ROBINS AIR FORCE BASE, GEORGIA			UPGRADE STORM DRAINAGE SYSTEM		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
7.80.56	871-183	UHH2953005	2,200		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE STORM DRAINAGE SYSTEM	LS			1,636	
RETENTION/DETENTION BASINS	EA	5	170,000	(850)	
INTERCEPTOR SEWERS	LF	4,200	170	(714)	
BERMS	LF	800	90	(72)	
SUPPORTING FACILITIES				255	
ELIMINATE CROSS-CONNECTIONS	LS			(100)	
CULVERTS	EA	4	12,500	(50)	
FUEL-WATER SEPARATORS	LS			(50)	
SITE IMPROVEMENTS	LS			(55)	
SUBTOTAL				1,891	
CONTINGENCY (10%)				189	
TOTAL CONTRACT COST				2,080	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				125	
TOTAL REQUEST				2,205	
TOTAL REQUEST (ROUNDED)				2,200	
10. Description of Proposed Construction: Install pollution control structures to channel and divert storm water only to the existing storm water collection system; eliminate sanitary and storm sewer cross connections; provide six sampling stations, three retention basins, erosion control, and necessary support.					
11. REQUIREMENT: As required.					
PROJECT: Upgrade storm drainage system. (Current Mission)					
REQUIREMENT: This is a Level II environmental compliance requirement. This project is required to satisfy the Clean Water Act requirement under 40 CFR 122 for storm water discharge. The base is required to be in compliance with the National Pollutant Discharge Elimination System (NPDES) storm water permit by October 1996. The base's individual storm water permit will be issued by 31 July 1994. Installation of pollution control structures will allow only storm water runoff to enter the storm water collection system, which eventually discharges into Horse Creek and the Ocmulgee River. The base is required to certify that non-storm water discharges are not connected to the storm water system. Corrective actions are required to eliminate sources of pollutants in the storm drainage system.					
CURRENT SITUATION: The existing storm water drainage system receives runoff from the flight line and other industrial areas of the base and discharges through ten discharge points into Horse Creek. There are no measures to prevent potential pollutant sources from mixing with storm water runoff and entering aquifers. There are non-storm water discharges connected to the storm water system in violation of the pending storm water NPDES permit.					
IMPACT IF NOT PROVIDED: Uncontrolled runoff will result in continued					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ROBINS AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE SYSTEM	UHHZ953005	
flooding which will adversely affect mission accomplishment, increase potential health hazards, and increase surface water contamination. The base will be out of compliance with EPA storm water regulations and would be subject to potential fines of up to \$25,000 per day per violation. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, a formal economic analysis was not needed or performed. A certificate of exception has been prepared.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ROBINS AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE SYSTEM	UHHZ953005	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUN 16	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	93 SEP 25	
(e) Date Design Complete	94 AUG 28	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	100	
(b) All Other Design Costs	196	
(c) Total	296	
(d) Contract	220	
(e) In-house	76	
(4) Construction Start	94 DEC	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX		
MOUNTAIN HOME AIR FORCE BASE, IDAHO				AIR COMBAT COMMAND				1.15		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		339	2826	449	58	55	15			
b. End FY 1999		352	2767	491		6				
7. INVENTORY DATA (\$000)										
a. Total Acreage: (10,057)										
b. Inventory Total As Of: (30 SEP 93) 194,868										
c. Authorization Not Yet In Inventory: 0										
d. Authorization Requested In This Program: 4,950										
e. Authorization Included In Following Program: (FY 1996) 34,750										
f. Planned In Next Three Program Years: 4,150										
g. Remaining Deficiency: 0										
h. Grand Total: 238,718										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START CMPL		
721-312		DORMITORY		208 PN		4,950		JUN 93 JUL 94		
				TOTAL:		4,950				
9a. Future Projects: Included in the Following Program (FY 1996)										
113-321		UPGRADE AIRCRAFT PARKING		62,000 SY		5,400				
		APRON								
130-142		FLIGHTLINE FIRE STATION		24,800 SF		5,000				
211-111		AIRCRAFT MAINTENANCE HANGAR		41,550 SF		8,000				
724-417		TRANSIENT PERSONNEL QUARTERS		83 PN		6,000				
		PHASE I								
831-165		SEWAGE TREATMENT & DISPOSAL		LS		9,850				
871-183		STORM DRAINAGE FACILITIES		LS		500				
		TOTAL:				34,750				
9b. Future Projects: Typical Planned Next Three Years:										
721-312		IMPROVE UNACCOMPANIED ENLISTED		106 PN		500				
		HSC								
724-417		BILLETING COMPLEX		50 PN		3,650				
10. Mission or Major Functions: An air intervention composite wing which includes F-16, F-15, and KC-135 aircraft.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:								2,250		
b. Water pollution:								1,500		
c. Occupational safety and health:								0		
d. Other Environmental:								3,833		

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO			4. PROJECT TITLE DORMITORY		
5. PROGRAM ELEMENT 2.75.96C	6. CATEGORY CODE 721-312	7. PROJECT NUMBER QYZH923226	8. PROJECT COST(\$000) 4,950		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (208 PN)		SF	42,000	87	3,654
SUPPORTING FACILITIES					775
UTILITIES		LS			(120)
SITE IMPROVEMENTS		LS			(145)
PAVEMENTS		SY	12,000	20	(240)
ASBESTOS DISPOSAL/DEMOLITION		SF	34,000	8	(270)
SUBTOTAL					4,429
CONTINGENCY (5%)					221
TOTAL CONTRACT COST					4,650
SUPERVISION, INSPECTION AND OVERHEAD (6%)					279
TOTAL REQUEST					4,929
TOTAL REQUEST (ROUNDED)					4,950
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, with maintenance free exterior masonry walls and standing seam metal roof. Includes room-bath-room modules, laundries, storage and lounge areas, and all supporting facilities. Demolishes three, stacked pre-fabricated trailers currently serving as dormitories. Air Conditioning: 130 Tons. Grade Mix: 208 EI-E4.					
11. REQUIREMENT: 1,098 PN ADEQUATE: 359 PN SUBSTANDARD: 708 PN PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. CURRENT SITUATION: Mountain Home has the last three modular dormitories in the command. These dormitories were constructed in 1975 by stacking pre-fabricated trailers. They were never intended as permanent facilities and are in bad need of replacement. The rooms do not meet the size criteria and cannot be modified. The doors and windows are loose and allow water and air infiltration, and the roof leaks where the modules are joined together. The buildings are poorly insulated and laden with asbestos. Sound attenuation is poor making rest for shift workers difficult. Bathrooms have old, outdated fixtures and unpleasant finishes. The underlying floor support structure is deteriorating leading to unsafe facilities. The availability of affordable rental units in the local community is extremely limited. Our junior enlisted personnel often experience long delays before adequate accommodations can be obtained.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MOUNTAIN HOME AIR FORCE BASE, IDAHO		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY	QYZH923226	
Because of this, adequate dormitories at this base are extremely critical. This project demolishes 34,000 square feet of facilities. <u>IMPACT IF NOT PROVIDED:</u> Airmen at Mountain Home AFB will be forced to live in substandard facilities. The existing facilities are not fully maintainable and will deteriorate to the point that they will have to be closed. Airmen will continue to have extremely limited alternatives available in the local community. Morale, productivity, and career satisfaction will continue to be negatively impacted. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. This project has been considered for FY 98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MOUNTAIN HOME AIR FORCE BASE, IDAHO		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY	QYZH923226	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 JUN 20
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1994		60%
(d) Date 35% Designed.		93 SEP 09
(e) Date Design Complete		94 JUL 01
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		MT HOME
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		238
(b) All Other Design Costs		158
(c) Total		396
(d) Contract		348
(e) In-house		48
(4) Construction Start		
		95 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND			5. AREA CONST COST INDEX			
SCOTT AIR FORCE BASE, ILLINOIS					AIR MOBILITY COMMAND			1.14			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		2445	4450	2992	197	202	32	130	88	27	10,563
b. End FY 1999		2074	4163	2907	35	4	1	130	88	27	9,429
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,337)											
b. Inventory Total As Of: (30 SEP 93) 328,056											
c. Authorization Not Yet In Inventory: 32,710											
d. Authorization Requested In This Program: 2,700											
e. Authorization Included In Following Program: (FY 1996) 17,100											
f. Planned In Next Three Program Years: 13,150											
g. Remaining Deficiency: 0											
h. Grand Total: 393,716											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
411-135	UNDERGROUND FUEL STORAGE TANKS			35 EA		2,700		JUL 93	JUL 94		
				TOTAL:		2,700					
9a. Future Projects: Included in the Following Program (FY 1996)											
130-142	FIRE/CRASH RESCUE STATION			11,000 SF		1,750					
141-753	SQUADRON OPERATIONS FACILITY			12,300 SF		1,950					
721-312	DORMITORY			200 PN		8,000					
724-417	ADD TO AND ALTER VISITING OFFICERS QUARTERS			60 PN		5,400					
				TOTAL:		17,100					
9b. Future Projects: Typical Planned Next Three Years:											
113-321	APRONS			22,500 SY		1,650					
721-312	ALTER UNACCOMPANIED ENLISTED HSC			144 PN		2,950					
721-312	ALTER UNACCOMPANIED ENLISTED HSC			225 PN		3,800					
730-773	ADD TO CHAPEL CENTER			11,000 SF		1,250					
822-265	REPAIR STEAM HEATING MAINS			5,000 LF		3,500					
10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION SCOTT AIR FORCE BASE, ILLINOIS			4. PROJECT TITLE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 4.18.56	6. CATEGORY CODE 411-135	7. PROJECT NUMBER VDYD963051	8. PROJECT COST(\$000) 2,700		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UNDERGROUND FUEL STORAGE TANKS	EA	35		1,684	
UPGRADE UNDERGROUND STORAGE TANKS	EA	10	33,400	(334)	
UNDERGROUND STORAGE TANKS	EA	3	121,670	(365)	
ABOVEGROUND STORAGE TANKS	EA	6	85,000	(510)	
TANK REMOVAL/DISPOSAL	EA	16	29,690	(475)	
SUPPORTING FACILITIES				625	
UTILITIES	LS			(25)	
SITE IMPROVEMENTS	LS			(50)	
SOIL REMEDIATION	LS			(550)	
SUBTOTAL				2,309	
CONTINGENCY (10%)				231	
TOTAL CONTRACT COST				2,540	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				152	
TOTAL REQUEST				2,692	
TOTAL REQUEST (ROUNDED)				2,700	
10. Description of Proposed Construction: Remove 16 Underground Storage Tanks (UST), install 3 new UST, 6 new Aboveground Storage Tanks (AST), and upgrade 10 UST. Work includes providing leak detection, corrosion protection and spill/overflow prevention systems, soil remediation, site work, utilities and other necessary support.					
11. REQUIREMENT: As required. PROJECT: Remove, install and upgrade underground fuel storage tanks. (Current Mission) REQUIREMENT: This is a Level II environmental compliance project. This project is required to upgrade all underground storage tanks (USTs) regulated by 40 CFR 280 to new standards by December 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems. If USTs are to be replaced, Air Force policy is to replace them with aboveground tanks or to relocate them into underground vaults wherever possible. However, existing underground petroleum product storage tanks which are in good condition may be upgraded in place to bring them into compliance with applicable UST standards. CURRENT SITUATION: The fuel storage tanks included in this project have exceeded their design life and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All of the regulated USTs require annual integrity (tightness) testing, daily fluid level monitoring and monthly inventory reconciliation and control, since they lack the proper continuous monitoring appliances and controls. If these tasks are not performed, the exposure to environmental liability will increase. These liabilities can be eliminated through the installation of the new					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SCOTT AIR FORCE BASE, ILLINOIS		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS	VDYD963051	
USTs, aboveground storage tanks (ASTs) and associated continuous monitoring/alarm systems. <u>IMPACT IF NOT PROVIDED:</u> Failure to bring the USTs into environmental compliance will result in Scott AFB receiving a Notice of Violation (NOV) from the regulators. This will ultimately result in fines and unfavorable publicity for the Air Force and DoD. All tanks must meet regulations or be permanently closed. The absence of sufficient fuel storage due to mandatory tank closure would seriously jeopardize the base's mission. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that satisfies regulatory and operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. These fuel storage tanks must be replaced by December 1998 in accordance with federal environmental compliance regulatory laws. Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SCOTT AIR FORCE BASE, ILLINOIS		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS	VDYD963051	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUL 16	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	94 JAN 14	
(e) Date Design Complete	94 JUL 13	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	160	
(b) All Other Design Costs	90	
(c) Total	250	
(d) Contract	200	
(e) In-house	50	
(4) Construction Start	95 JAN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE	
AIR FORCE									
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX	
MCCONNELL AIR FORCE BASE, KANSAS				AIR MOBILITY COMMAND				0.99	
6. PERSONNEL STRENGTH		PERMANENT		STUDENTS		SUPPORTED		TOTAL	
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL
a. As of 30 SEP 93		375	2687	360		88			
b. End FY 1999		438	2808	371				10	3,627
7. INVENTORY DATA (\$000)									
a. Total Acreage: (3,103)									
b. Inventory Total As Of: (30 SEP 93) 283,853									
c. Authorization Not Yet In Inventory: 17,710									
d. Authorization Requested In This Program: 500									
e. Authorization Included In Following Program: (FY 1996) 10,450									
f. Planned In Next Three Program Years: 28,100									
g. Remaining Deficiency: 0									
h. Grand Total: 340,613									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995									
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS	
CODE								START	CMPL
871-183	UPGRADE STORM DRAINAGE FACILITIES			LS		500		SEP 93	AUG 94
TOTAL:						500			
9a. Future Projects: Included in the Following Program (FY 1996)									
141-753	SQUADRON OPERATIONS FACILITY		40,860	SF		6,100			
831-157	INDUSTRIAL WASTE FUEL SPILL		1	EA		1,150			
871-183	STORM DRAINAGE RELIEF CHANNEL		135,000	CY		1,200			
871-183	STORM DRAINAGE SYSTEM		135,000	SY		1,200			
880-212	APFF FIRE SUPPRESSION SYSTEM FOR FUEL CELL			LS		800			
TOTAL:						10,450			
9b. Future Projects: Typical Planned Next Three Years:									
111-111	UPGRADE RUNWAY			LS		3,100			
121-000	AIRCRAFT DISPENSING		4,850	SF		1,600			
610-128	MILITARY PERSONNEL SUPPORT CENTER		48,250	SF		6,400			
690-000	PROCUREMENT FACILITY		8,000	SF		1,400			
740-884	ADD TO AND ALTER CHILD DEVELOPMENT CENTER		27,300	SF		2,600			
10. Mission or Major Functions: An air refueling wing (KC-135 aircraft); an Air Combat Command bomb squadron (B-1 aircraft); and an Air National Guard fighter group (F-16 aircraft) which will convert to B-1B aircraft.									
11. Outstanding pollution and safety (OSH) deficiencies:									
a. Air pollution:								0	
b. Water pollution:								2,350	
c. Occupational safety and health:								0	
d. Other Environmental:								0	

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION BARKSDALE AIR FORCE BASE, LOUISIANA				4. COMMAND AIR COMBAT COMMAND				5. AREA CONST COST INDEX 0.84			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		907	4789	1092		509		1	6		7,304
b. End FY 1999		955	4955	1255				38	362	12	7,577
7. INVENTORY DATA (\$000)											
a. Total Acreage: (22,382)											
b. Inventory Total As Of: (30 SEP 93) 218,005											
c. Authorization Not Yet In Inventory: 34,740											
d. Authorization Requested In This Program: 1,500											
e. Authorization Included In Following Program: (FY 1996) 0											
f. Planned In Next Three Program Years: 17,750											
g. Remaining Deficiency: 0											
h. Grand Total: 271,995											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
871-183	UPGRADE STORM DRAINAGE FACILITIES				LS	1,500		JUN 93	JUL 94		
						TOTAL:	1,500				
9a. Future Projects: Included in the Following Program (FY 1996) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
121-122	HYDRANT FUELING SYSTEM				LS	12,000					
740-674	PHYSICAL FITNESS CENTER				18,200 SF	2,450					
871-183	ADD TO AND ALTER STORM DRAINAGE FACILITIES				LS	3,300					
10. Mission or Major Functions: Headquarters Eighth Air Force; a flying wing which includes two B-52 squadrons; Air Mobility Command air refueling operations group (KC-10 and KC-135 aircraft); and Air Force Reserve fighter wing (A-10 and OA-10 aircraft), B-52 associate bomb group, and KC-10 associate air refueling group.											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution: 1,500											
b. Water pollution: 1,500											
c. Occupational safety and health: 0											
d. Other Environmental: 2,500											

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
BARKSDALE AIR FORCE BASE, LOUISIANA			UPGRADE STORM DRAINAGE FACILITIES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.74.56C	871-183	AWUB952500	1,500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE STORM DRAINAGE FACILITIES		LS			400
SUPPORTING FACILITIES					950
REPAIR/REPLACE STORM DRAINAGE LINES		LS			(550)
CORRECT CROSS-CONNECTIONS		LS			(400)
SUBTOTAL					1,350
CONTINGENCY (5%)					68
TOTAL CONTRACT COST					1,418
SUPERVISION, INSPECTION AND OVERHEAD (6%)					85
TOTAL REQUEST					1,503
TOTAL REQUEST (ROUNDED)					1,500
10. Description of Proposed Construction: Provide treatment of storm water runoff by correction of cross-connections, connection of non-storm water discharges to the sanitary sewer, repair of broken or misaligned storm drainage lines, and construction of storm water diversion structures. Connect oil/water separators, and provide necessary support.					
11. REQUIREMENT: As required.					
PROJECT: Upgrade storm drainage facilities. (Current Mission)					
REQUIREMENT: This is a Level II environmental compliance requirement. This project is required to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The storm water permit is scheduled to be issued in Jul 94. The base is required to be in compliance with their National Pollutant Discharge Elimination System (NPDES) permit by Oct 96. The base is required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are required to eliminate sources of pollutants to the storm drain.					
CURRENT SITUATION: The base does not provide storm water runoff control measures from the industrial areas of the base. There are existing cross-connections which are not allowed by the NPDES permit. Some non-storm water discharges (process and sanitary wastewater) are connected to or seep into the storm drainage system which is not allowed by the NPDES permit.					
IMPACT IF NOT PROVIDED: Barksdale AFB will be out of compliance with their NPDES permit. The continuous violation of storm water regulations have the potential for fines up to \$25,000 per day per violation and could create adverse publicity.					
ADDITIONAL: There is no criteria/scope for this project in Part II of					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BARKSDALE AIR FORCE BASE, LOUISIANA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE FACILITIES	AWUB952500	
Military Handbook 1190, "Facility Planning and Design Guide." However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BARKSDALE AIR FORCE BASE, LOUISIANA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE FACILITIES	AWUB952500	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUN 15	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1994	60%	
(d) Date 35% Designed.	93 SEP 16	
(e) Date Design Complete	94 JUL 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	70	
(b) All Other Design Costs	50	
(c) Total	120	
(d) Contract	80	
(e) In-house	40	
(4) Construction Start 95 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION						4. COMMAND				5. AREA CONST	
ANDREWS AIR FORCE BASE, MARYLAND						AIR MOBILITY				COST INDEX	
						COMMAND				1.03	
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		1136	4110	1773	159	142	15	122	1156	164	8,777
b. End FY 1999		1111	4150	1888				140	1069	2	8,360
7. INVENTORY DATA (\$000)											
a. Total Acreage: (7,489)											
b. Inventory Total As Of: (30 SEP 93) 375,296											
c. Authorization Not Yet In Inventory: 20,100											
d. Authorization Requested In This Program: 6,300											
e. Authorization Included In Following Program: (FY 1996) 22,760											
f. Planned In Next Three Program Years: 46,640											
g. Remaining Deficiency: 0											
h. Grand Total: 471,096											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST		DESIGN STATUS			
CODE						(\$000)		START		CMPL	
721-312		DORMITORY		105 PN		6,300		AUG 93		NOV 94	
				TOTAL:		6,300					
9a. Future Projects: Included in the Following Program (FY 1996)											
219-944		ADD TO AND ALTER BASE ENGINEER		45,800 SF		7,600					
		ADMINISTRATION									
411-135		UNDERGROUND FUEL STORAGE TANKS		LS		9,260					
721-312		DORMITORY		348 PN		5,900					
				TOTAL:		22,760					
9b. Future Projects: Typical Planned Next Three Years:											
121-122		REPLACE HYDRANT REFUELING		LS		9,790					
		SYSTEMS									
218-712		ACFT SPRT EQUIP SHOP/STORAGE		13,900 SF		2,450					
411-135		IMPROVE JET FUEL STORAGE		LS		4,200					
411-135		REPAIR JET FUEL STORAGE		LS		4,200					
411-135		IMPROVE JET FUEL STORAGE		LS		8,250					
10. Mission or Major Functions: An airlift wing which performs Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution:		0									
b. Water pollution:		0									
c. Occupational safety and health:		0									
d. Other Environmental:		9,260									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ANDREWS AIR FORCE BASE, MARYLAND			DORMITORY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.18.96	721-312	AJXF953007	6,300		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (105 PN)		SF	42,000	110	4,620
SUPPORTING FACILITIES					1,010
SITE IMPROVEMENTS		LS			(350)
UTILITIES		LS			(250)
PAVEMENTS		LS			(250)
DEMOLITION		SF	26,800	6	(160)
SUBTOTAL					5,630
CONTINGENCY (5%)					282
TOTAL CONTRACT COST					5,912
SUPERVISION, INSPECTION AND OVERHEAD (6%)					355
TOTAL REQUEST					6,267
TOTAL REQUEST (ROUNDED)					6,300
10. Description of Proposed Construction: Concrete foundation, masonry walls, structural steel frame and roof system. Includes room-bath-room modules, lounges, laundry rooms, storage rooms, mechanical equipment room, utilities, demolition and asbestos removal/disposal, and other necessary support. Air Conditioning: 100 Tons. Grade Mix: 105 E5-E6.					
11. REQUIREMENT: 1,625 PN ADEQUATE: 620 PN SUBSTANDARD: 445 PN PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. CURRENT SITUATION: There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at this base. Existing substandard facilities do not provide semi-private baths, adequate control of heating and air conditioning, and sufficient noise attenuation to adequately house enlisted personnel. Two substandard dormitories totaling 26,864 square feet will be demolished. The current dormitory occupancy rate at Andrews is 98 percent. IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded. ADDITIONAL: This project meets the criteria/scope specified in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ANDREWS AIR FORCE BASE, MARYLAND		
4. PROJECT TITLE		5. PROJECT NUMBER
DORMITORY		AJXF953007
construction, revitalization, leasing and status quo. Based on the net values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ANDREWS AIR FORCE BASE, MARYLAND		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY	AJXF953007	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 AUG 15	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	15%	
(d) Date 35% Designed.	94 FEB 28	
(e) Date Design Complete	94 NOV 20	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	378	
(b) All Other Design Costs	220	
(c) Total	598	
(d) Contract	500	
(e) In-house	98	
(4) Construction Start		
	95 MAR	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE	
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST		
KEESLER AIR FORCE BASE, MISSISSIPPI				AIR EDUCATION AND TRAINING COMMAND				COST INDEX 0.84		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		1039	4060	2021	157	2900	77	28	62	
b. End FY 1999		1035	4346	2276	1165	5398	77	28	62	
7. INVENTORY DATA (\$000)										
a. Total Acreage: (3,546)										
b. Inventory Total As Of: (30 SEP 93) 277,824										
c. Authorization Not Yet In Inventory: 15,150										
d. Authorization Requested In This Program: 11,240										
e. Authorization Included In Following Program: (FY 1996) 16,000										
f. Planned In Next Three Program Years: 6,000										
g. Remaining Deficiency: 0										
h. Grand Total: 326,214										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START	CMPL	
171-621	7-LEVEL TRAINING CLASSROOMS			11,400 SF	1,800	JUL 93	AUG 94			
721-315	7-LEVEL TRAINING DORMITORY			445 PN	8,800	APR 93	APR 94			
880-232	UPGRADE FIRE SUPPRESSION SYSTEM			55,000 SF	640	JUL 93	SEP 94			
TOTAL:						11,240				
9a. Future Projects: Included in the Following Program (FY 1996)										
721-312	ALTER DORMITORY			500 PN	6,500					
721-312	STUDENT DORMITORY			500 PN	6,500					
812-224	UPGRADE ELECTRICAL SYSTEM			LS	3,000					
TOTAL:						16,000				
9b. Future Projects: Typical Planned Next Three Years:										
610-281	BASE CONTRACTING FACILITY			11,700 SF	1,700					
824-464	UPGRADE BASE GAS SYSTEM			LS	4,300					
10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for avionics, communications, electronics, radar systems, computer and command-and-control systems, personnel, and administrative courses (C-21 aircraft); and a C-12 flying training unit; an Air Force Reserve airlift wing (C-130 and WC-130 aircraft); an Air Combat Command airborne command and control squadron (EC-130 aircraft); and a major Air Force medical center.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:										0
b. Water pollution:										0
c. Occupational safety and health:										0
d. Other Environmental:										0

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION KEESLER AIR FORCE BASE, MISSISSIPPI			4. PROJECT TITLE 7-LEVEL TRAINING CLASSROOMS		
5. PROGRAM ELEMENT 8.57.96	6. CATEGORY CODE 171-621	7. PROJECT NUMBER MAHG953021	8. PROJECT COST(\$000) 1,800		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
7-LEVEL TRAINING CLASSROOMS		SF	11,400	115	1,311
SUPPORTING FACILITIES					320
UTILITIES		LS			(120)
SITE IMPROVEMENTS		LS			(90)
PAVEMENTS		LS			(60)
COMMUNICATIONS SUPPORT		LS			(50)
SUBTOTAL					1,631
CONTINGENCY (5%)					82
TOTAL CONTRACT COST					1,713
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					111
TOTAL REQUEST					1,824
TOTAL REQUEST (ROUNDED)					1,800
10. Description of Proposed Construction: Concrete foundation, masonry structure with storm resistant roof system providing classroom space, instructor space, and other supporting space. Air Conditioning: 20 Tons.					
11. REQUIREMENT: 1,362,563 SF ADEQUATE: 1,351,163 SF SUBSTANDARD: 0 PROJECT: Construct 7-level training classrooms. (New Mission) <u>REQUIREMENT</u> : Provide facilities to implement formal advance training (7-Level Training) for E-5s and E-6s in preparation for advancement to E-7. This requirement is an initiative resulting from CSAF's Year of Training objective to improve the quality of education for Air Force personnel by standardizing a coherent set of training concepts and procedures. This project will provide classrooms, instructor space, and other supporting areas to conduct formal 7-level training for 24 different courses. This 7-level training will increase Keesler AFB's average daily student load (ADSL) by 445 students; increase the number of students per year by over 4000; and require an additional 66 instructors. <u>CURRENT SITUATION</u> : Formal training in preparation for E-7 level positions and responsibilities is not available for all E-5 and E-6 personnel in all career fields. Although some personnel have opportunities for adequate training, many receive on-the-job training, and individual coursework which is not consistent or coordinated across the Air Force. The CSAF's Year of Training initiative is aimed at correcting this problem and making quality training available for all E-5 and E-6 personnel in all career fields. This training initiative will formalize the training and help transition personnel from apprentice level to journeyman level responsibilities. Currently there are no existing facilities available at the installation to provide adequate classroom space for the 7-level					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KEESLER AIR FORCE BASE, MISSISSIPPI		
4. PROJECT TITLE	5. PROJECT NUMBER	
7-LEVEL TRAINING CLASSROOMS	MAHG953021	
training courses. Keesler is gaining a 1,042 ADSL from the missions relocated by the closure of Lowry AFB, Chanute AFB, and over 100 ADSL from requirements driven by other Year of Training initiatives. As a result, all excess space at the installation has been consumed and there is no space available to implement the 7-level training requirement. <u>IMPACT IF NOT PROVIDED:</u> The 7-level training program will not be able to be implemented at Keesler AFB. This will prevent the Air Force from further consolidating education functions at the base or achieving program objectives. These important improvements in the quality of training for E-5 and E-6 Air Force personnel will be impossible. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KEESLER AIR FORCE BASE, MISSISSIPPI		
4. PROJECT TITLE	5. PROJECT NUMBER	
7-LEVEL TRAINING CLASSROOMS	MAHG953021	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUL 29	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	93 DEC 31	
(e) Date Design Complete	94 AUG 19	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	105	
(b) All Other Design Costs	70	
(c) Total	175	
(d) Contract	125	
(e) In-house	50	
(4) Construction Start	94 DEC	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
KEESLER AIR FORCE BASE, MISSISSIPPI			7-LEVEL TRAINING DORMITORY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.57.96	721-315	MAHC953020A	8,800		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
7-LEVEL TRAINING DORMITORY (445 PN)	SF	89,000	75	6,675	
SUPPORTING FACILITIES				1,205	
UTILITIES	LS			(250)	
COMMUNICATIONS SUPPORT/EMCS	LS			(560)	
SITE IMPROVEMENTS	LS			(150)	
PAVEMENTS	LS			(245)	
SUBTOTAL				7,880	
CONTINGENCY (5%)				394	
TOTAL CONTRACT COST				8,274	
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				538	
TOTAL REQUEST				8,812	
TOTAL REQUEST (ROUNDED)				8,800	
10. Description of Proposed Construction: Concrete foundations, floor slabs, structural system, concrete or masonry wall system, and roof. Includes room-bath-room modules, laundries, storage and lounge areas and all supporting facilities. Air Conditioning: 112 Tons. Grade Mix: 445 E5-E6.					
11. REQUIREMENT: 4,396 PN ADEQUATE: 3,806 PN SUBSTANDARD: 0 PROJECT: Construct a 7-level training dormitory. (New Mission) REQUIREMENT: Provide facilities to implement formal advanced training (7-Level Training) to E-5 and E-6 personnel in preparation for advancement to E-7. The 7-Level training program is one initiative resulting from CSAF's Year of Training initiative. The objective is to improve the quality of education for Air Force personnel by standardizing a coherent set of training concepts and procedures. This project will provide dormitory space to house the additional 445 student increase in the average daily student load (ADSL) resulting from this 7-Level Training initiative. CURRENT SITUATION: Formal training in preparation for E-7 level positions and responsibility is not currently available for all E-5 and E-6 personnel in all career fields. Although some personnel have opportunities for adequate training, many receive on-the-job training, and individual coursework which is not consistent or coordinated across the Air Force. The CSAF's Year of Training initiative is aimed at correcting this problem and making quality training available for all E-5 and E-6 personnel in all career fields. This training initiative will formalize the training and help transition personnel from apprentice level to journeyman level responsibilities. Existing facilities are not available at Keesler AFB to provide adequate dormitory space for students attending					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KEESLER AIR FORCE BASE, MISSISSIPPI		
4. PROJECT TITLE		5. PROJECT NUMBER
7-LEVEL TRAINING DORMITORY		MAHG953020A
7-level training. Keesler is gaining a 1,042 ADSL from missions relocated by the closure of Lowry AFB, Chanute AFB, and over 100 ADSL from other Year of Training initiatives. As a result, all excess dormitory space on the installation has been consumed and there is no space available to support this 7-level training requirement. <u>IMPACT IF NOT PROVIDED:</u> The 7-Level training program will not be able to be implemented at Keesler AFB. This will prevent the Air Force from further consolidating education functions at the base, or achieving program objectives. Making improvements in the quality of education for E-5 and E-6 personnel will be impossible. <u>ADDITIONAL:</u> This project meets the criteria specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, leasing, new construction) was done. It indicates new construction is the only option that will meet the requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KEESLER AIR FORCE BASE, MISSISSIPPI		
4. PROJECT TITLE	5. PROJECT NUMBER	
7-LEVEL TRAINING DORMITORY	MAHG953020A	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 APR 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	93 NOV 17	
(e) Date Design Complete	94 APR 30	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	KEESLER	
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)	
(a) Production of Plans and Specifications	357	
(b) All Other Design Costs	119	
(c) Total	476	
(d) Contract	357	
(e) In-house	119	
(4) Construction Start	94 DEC	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
WHITEMAN AIR FORCE BASE, MISSOURI				AIR COMBAT COMMAND				1.05			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		481	2911	395							3,787
b. End FY 1999		322	2585	422				3	10	73	3,415
7. INVENTORY DATA (\$000)											
a. Total Acreage: (4,958)											
b. Inventory Total As Of: (30 SEP 93) 478,307											
c. Authorization Not Yet In Inventory: 94,300											
d. Authorization Requested In This Program: 24,290											
e. Authorization Included In Following Program: (FY 1996) 27,900											
f. Planned In Next Three Program Years: 13,150											
g. Remaining Deficiency: 0											
h. Grand Total: 637,947											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	STATUS CMPL					
	113-321	B-2 ADD TO AND ALTER AIRCRAFT APRON, TAXIWAY & CONVOY ROADS	50,800 SY	4,600	JUN 93	JUL 94					
	211-173	B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM	52,500 SF	15,000	MAY 93	JUL 94					
	871-183	UPGRADE STORM DRAINAGE FACILITIES	LS	1,290	AUG 93	AUG 94					
	880-000	B-2 ADD TO AND ALTER DOCK AND HANGAR FIRE PROTECTION SYSTEMS	144,000 SF	3,400	MAY 93	JUL 94					
				TOTAL:	24,290						
9a. Future Projects: Included in the Following Program (FY 1996)											
	113-321	B-2 AIRCRAFT APRON/CONVOY ROAD /PAVEMENTS	LS	1,500							
	171-212	B-2 FLIGHT SIMULATION TRAINING	15,000 SF	4,500							
	211-173	B-2 AIRCRAFT MAINTENANCE DOCKS /HYDRANT FUEL/CASS	52,500 SF	15,700							
	800-000	B-2 ADAL UTILITIES SYSTEM	LS	2,600							
	880-232	B-2 ADAL DOCK/HGR FIRE PROTECT PH II & AFFP PUMPS/RESERVOIR	2 EA	3,600							
				TOTAL:	27,900						
9b. Future Projects: Typical Planned Next Three Years:											
	442-758	WAREHOUSE	107,000 SF	9,900							
	740-443	TRANSIENT LODGING FACILITY	8 UM	750							
	740-674	PHYSICAL FITNESS CENTER	14,500 SF	2,500							
10. Mission or Major Functions: An AFSpaceCom missile wing consisting of two Minuteman intercontinental ballistic missile squadrons and HH-1 helicopters and an Air Combat Command bomb wing (T-38 aircraft) which will receive the B-2 bomber.											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution: 2,250											
b. Water pollution: 9,020											
c. Occupational safety and health: 0											
d. Other Environmental: 1,500											

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI		4. PROJECT TITLE B-2 ADD TO AND ALTER AIRCRAFT APRON, TAXIWAY & CONVOY ROADS		
5. PROGRAM ELEMENT 1.11.27	6. CATEGORY CODE 113-321	7. PROJECT NUMBER YWHG959206	8. PROJECT COST(\$000) 4,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
B-2 ADD TO AND ALTER AIRCRAFT APRON, TAXIWAY & CONVOY ROADS	SY	50,800		3,089
APRONS	SY	16,500	67	(1,106)
AIRFIELD PAVEMENTS-TAXIWAYS	SY	24,800	67	(1,662)
PAVED SHOULDER	SY	6,500	23	(150)
ROADS	SY	3,000	57	(171)
SUPPORTING FACILITIES				1,030
UTILITIES	LS			(205)
DEMOLISH PAVEMENTS	LS			(480)
SITE IMPROVEMENTS	LS			(345)
SUBTOTAL				4,119
CONTINGENCY (5%)				206
TOTAL CONTRACT COST				4,325
SUPERVISION, INSPECTION AND OVERHEAD (6%)				260
TOTAL REQUEST				4,585
TOTAL REQUEST (ROUNDED)				4,600
10. Description of Proposed Construction: Level and grade site; install drainage tile and pipe, and tie into drainage system; construct rigid pavement aprons and taxiway, taxiway lighting, and munitions convoy route rated for heavy loading; and construct flexible pavement taxiway shoulders.				
11. REQUIREMENT: As required.				
PROJECT: Add to and alter B-2 aircraft parking apron, taxiway and convoy roads. (New Mission)				
REQUIREMENT: Adequate pavements are required to support all B-2 ground operations. A taxiway and access apron must be provided to allow access to and from maintenance docks. Convoy roads are also required to support movement of weapons from the weapons storage area to the aircraft parked in the docks.				
CURRENT SITUATION: No access apron, taxiway, or munitions convoy roads exist to provide access to new aircraft maintenance docks.				
IMPACT IF NOT PROVIDED: Aircraft and munitions load trailers will not have access to the maintenance docks to allow for mission preparation and weapons loading.				
ADDITIONAL: A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements; therefore, a full economic analysis was not required or performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide".				

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE B-2 ADD TO AND ALTER AIRCRAFT APRON, TAXIWAY & CONVOY ROADS		5. PROJECT NUMBER YWHG959206
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 JUN 15
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Oct 1993		15%
(d) Date 35% Designed.		94 JAN 15
(e) Date Design Complete		94 JUL 15
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		10
(b) All Other Design Costs		101
(c) Total		111
(d) Contract		
(e) In-house		111
(4) Construction Start		94 DEC
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
WHITEMAN AIR FORCE BASE, MISSOURI			B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
1.11.27	211-173	YVHG939282	15,000		
9. COST ESTIMATES					
ITEM	U/H	QUANTITY	UNIT COST	COST (\$000)	
B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM	SF	52,500	150	7,875	
SUPPORTING FACILITIES				5,700	
UTILITIES	LS			(455)	
SITE IMPROVEMENTS	LS			(420)	
PAVEMENTS	LS			(420)	
HYDRANT FUEL/CASS	LS			(3,985)	
BLAST DEFLECTORS	LS			(420)	
SUBTOTAL				13,575	
CONTINGENCY (5%)				679	
TOTAL CONTRACT COST				14,254	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				855	
TOTAL REQUEST				15,109	
TOTAL REQUEST (ROUNDED)				15,000	
10. Description of Proposed Construction: Heated steel frame structures with powered hangar doors and prewired conduit for phone, data and security systems. Ground points in floor, oil/water separator, blast deflectors and Consolidated Aircraft Support System (CASS) (pantograph system, outlets and air conditioning). Fire suppression system including inverted deluge system (IDS) undergoing fire suppression. Air Conditioning: 340 Tons.					
11. REQUIREMENT: 18 EA ADEQUATE: 12 EA SUBSTANDARD: 0 PROJECT: Construct B-2 aircraft maintenance docks and hydrant fueling system. (New Mission) REQUIREMENT: All B-2 aircraft assigned to the base must have an enclosed space to permit aircraft maintenance under all environmental conditions. Total number of covered spaces will include 14 maintenance docks, a fuel cell dock, corrosion control dock, and a heavy maintenance hangar. This project provides maintenance docks 9 and 10. B-2 docks are constructed in pairs due to the shared hydrant fuel/CASS area. The docks provide a minimally heated environment for maintenance crews to work on structural, propulsion and electronic components. The rear of the dock and large vehicle doors must be constructed to withstand the jet blast of aircraft for taxi-out capability. Rear doors are sized for access by munitions loading trailers. The dock must be appropriately secured to detect unauthorized access. Construction of covered spaces is phased to accommodate aircraft delivery and to take advantage of economies of scale. Refueling and CASS provisions are required in each maintenance space. CURRENT SITUATION: Three maintenance spaces (fuel cell, corrosion control and one dock) were provided in the FY 88 MILCON and three in the FY 89 MILCON (alter existing hangar = 2 spaces; and 1 dock). Two maintenance					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE		5. PROJECT NUMBER
B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM		YWHG939282
dock spaces are in FY 91, two in FY 93, and two in FY 94. This project provides two docks, two docks are programmed in FY 96, and two remaining docks will be programmed in the outyears to coincide with delivery of test aircraft to operational status. No other facilities are available to provide covered maintenance space to support the aircraft delivery schedule. <u>IMPACT IF NOT PROVIDED:</u> Because of the aircraft's low observable features, structural and propulsion maintenance tasks will have to be performed frequently. Complete coverage of the aircraft while on the ground will increase combat capability by reducing maintenance task times, repaint downtime, and fleet generation time. Failure to provide the necessary covered maintenance space will reduce aircraft availability and mission effectiveness, while increasing maintenance and turn-around time for the aircraft. <u>ADDITIONAL:</u> A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements. Consequently, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide," nor in Air Force Manual 86-2, "Standard Facility Requirements."		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE	5. PROJECT NUMBER	
B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM	YWHG939282	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 MAY 03
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1994		60%
(d) Date 35% Designed.		93 SEP 17
(e) Date Design Complete		94 JUL 01
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		WHITEMAN
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		666
(b) All Other Design Costs		
(c) Total		666
(d) Contract		
(e) In-house		666
(4) Construction Start		95 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI			4. PROJECT TITLE UPGRADE STORM DRAINAGE FACILITIES		
5. PROGRAM ELEMENT 2.74.56C	6. CATEGORY CODE 871-183	7. PROJECT NUMBER YWHG972500	8. PROJECT COST(\$000) 1,290		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE STORM DRAINAGE FACILITIES	LS			564	
SUPPORTING FACILITIES				595	
CORRECT CROSS-CONNECTIONS	LS			(595)	
SUBTOTAL				1,159	
CONTINGENCY (5%)				58	
TOTAL CONTRACT COST				1,217	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				73	
TOTAL REQUEST				1,290	
TOTAL REQUEST (ROUNDED)				1,290	
10. Description of Proposed Construction: Provide treatment of storm water runoff by correction of sanitary and storm sewer cross-connections and rerouting of non-storm water discharges to the sanitary sewer system. Connect oil/water separators, and provide necessary support.					
11. REQUIREMENT: As required. PROJECT: Upgrade storm drainage facilities. (Current Mission) REQUIREMENT: This is a Level II environmental compliance requirement. This project is required to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The storm water permit was issued on 1 Oct 93. The base is required to be in compliance with their National Pollutant Discharge Elimination System (NPDES) permit by Oct 96. The base is required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are required to eliminate sources of pollutants to the storm drain. CURRENT SITUATION: The base does not provide storm water runoff control measures from the industrial areas of the base. There are existing cross-connections which are not allowed by the storm water NPDES permit. Some non-storm water discharges (process and sanitary wastewater) are connected to or seep into the storm drainage system which is not allowed by the NPDES permit. IMPACT IF NOT PROVIDED: Whiteman AFB will be out of compliance with their NPDES permit. The continuous violation of storm water regulations have the potential for fines up to \$25,000 per day per violation and could create adverse publicity. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE FACILITIES	YWHG972500	
86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE FACILITIES	YWHG972500	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 AUG 30	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	93 DEC 15	
(e) Date Design Complete	94 AUG 30	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	60	
(b) All Other Design Costs	63	
(c) Total	123	
(d) Contract		
(e) In-house	123	
(4) Construction Start 95 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
WHITEMAN AIR FORCE BASE, MISSOURI			B-2 ADD TO AND ALTER DOCK AND HANGAR FIRE PROTECTION SYSTEMS		
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER	
1.11.27		BB0-000		YWHG959203	
				3,400	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
B-2 ADD TO AND ALTER DOCK AND HANGAR		SF	144,000	17	2,448
FIRE PROTECTION SYSTEMS					475
SUPPORTING FACILITIES					(475)
UTILITIES		LS			2,923
SUBTOTAL					292
CONTINGENCY (10%)					3,215
TOTAL CONTRACT COST					193
SUPERVISION, INSPECTION AND OVERHEAD (6%)					3,408
TOTAL REQUEST					3,400
TOTAL REQUEST (ROUNDED)					
10. Description of Proposed Construction: Retrofit two existing B-2 maintenance docks for advanced technology fire protection by installing the Inverted Deluge System (IDS). Includes utilities, telemetry, fire department tie-ins and necessary support.					
11. REQUIREMENT: As required.					
PROJECT: Add to and alter B-2 dock and hangar fire protection systems with installation of IDS advance technology fire suppression in two of the eight existing docks. (New Mission)					
REQUIREMENT: National Fire Protection Association (NFPA) and implementing Air Force Manual (Standard 409) require aircraft maintenance areas be provided with a pre-action closed-head Aqueous Film Forming Foam (AFFF) sprinkler system which must include rate compensation devices. A supplemental under-wing AFFF application system is also required whenever individual wing and fuselage areas exceed 2500 square feet (e.g. B-2 aircraft). Fire suppression systems must be designed to "capture" water runoff to preclude contamination of wastewater systems and possible environmental damage. A fire must be detected and extinguished within 17-20 seconds to prevent damage or delamination of the composite materials used on the exterior surfaces of the B-2 bomber. This project installs the IDS in two of the eight existing docks. Another project in a future year installs the IDS in two more docks, and a final project completes the remaining four docks.					
CURRENT SITUATION: The development of advance technology (stealth) composite materials for the exterior surfaces of the B-2 has introduced a shorter time factor for detection and suppression of a fire before damage occurs. Fire protection/suppression technology has been developed and tested to react to this new requirement and must be retrofitted into eight					

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE B-2 ADD TO AND ALTER DOCK AND HANGAR FIRE PROTECTION SYSTEMS		5. PROJECT NUMBER YWHG959203
existing B-2 maintenance docks. All future maintenance docks will include the IDS during construction. <u>IMPACT IF NOT PROVIDED:</u> Without a fire protection/suppression system that will react within 20 seconds, any fire will likely result in extensive damage to the unique surfaces of the B-2 aircraft or total loss of the asset. Failure to fund this project to allow completion prior to the scheduled arrival of the first seven aircraft by the end of 1995 will leave these critical assets without effective protection. A single, minor fire incident could easily result in damages which far exceed the cost of this entire project. <u>ADDITIONAL:</u> A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that satisfies mission requirements; therefore, a full economic analysis was not required or performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE	5. PROJECT NUMBER	
B-2 ADD TO AND ALTER DOCK AND HANGAR FIRE PROTECTION SYSTEMS	YWHG959203	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 MAY 03	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	93 OCT 01	
(e) Date Design Complete	94 JUL 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)	
(a) Production of Plans and Specifications	114	
(b) All Other Design Costs	139	
(c) Total	253	
(d) Contract		
(e) In-house	253	
(4) Construction Start	94 DEC	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
MALMSTROM AIR FORCE BASE, MONTANA				AIR MOBILITY COMMAND				COST INDEX 1.16			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		640	3766	479				1	8	1	4,895
b. End FY 1999		652	3722	439				1	8	1	4,823
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,659)											
b. Inventory Total As Of: (30 SEP 93) 343,988											
c. Authorization Not Yet In Inventory: 1,100											
d. Authorization Requested In This Program: 7,200											
e. Authorization Included In Following Program: (FY 1996) 13,150											
f. Planned In Next Three Program Years: 29,400											
g. Remaining Deficiency: 0											
h. Grand Total: 394,838											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START		CMPL	
411-135		UNDERGROUND FUEL STORAGE TANKS		14 EA		3,200		APR 93		APR 94	
411-135		UNDERGROUND FUEL STORAGE TANKS		91 EA		4,000		APR 93		DEC 93	
		MINUTEMAN III FACILITIES									
TOTAL:						7,200					
9a. Future Projects: Included in the Following Program (FY 1996)											
141-782		AIR FREIGHT TERMINAL		LS		2,300					
212-216		ADD TO AND ALTER MISSILE		10,400 SF		2,150					
		MAINTENANCE SHOP									
610-249		MISSILE COMBAT OPERATIONS		49,000 SF		8,700					
		CENTER									
TOTAL:						13,150					
9b. Future Projects: Typical Planned Next Three Years:											
130-142		ADD TO AND ALTER FIRE/CRASH		13,400 SF		2,100					
		RESCUE STATION									
141-911		ADD TO AND ALTER MISSILE		74,600 SF		8,600					
		OPERATIONS BUILDING									
141-911		ADD TO AND ALTER MISSILE		78,900 SF		9,200					
		OPERATIONS BUILDING									
214-426		VEHICLE READINESS FACILITY		27,000 SF		4,200					
610-915		AFOSI MANAGEMENT FACILITY		LS		1,100					
10. Mission or Major Functions: An air refueling wing with two KC-135 squadrons; and AFSPACECOM missile wing consisting of four Minuteman intercontinental ballistic missile squadrons, one of which maintains a continuous alert posture, and UH-1 helicopters.											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MALMSTROM AIR FORCE BASE, MONTANA			UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.18.56	411-135	NZAS932501	3,200		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UNDERGROUND FUEL STORAGE TANKS	EA	14		560	
TANK REMOVAL/DISPOSAL	EA	14	40,000	(560)	
SUPPORTING FACILITIES				2,190	
UTILITIES RELOCATION	LS			(210)	
SITE IMPROVEMENTS	LS			(355)	
PAVEMENT REPLACEMENT	LS			(125)	
SOIL REMEDIATION	LS			(510)	
SOIL/WATER LAB ANALYSIS	LS			(165)	
LINE REMEDIATION/REMOVAL	LS			(800)	
DEMOLITION PUMPHOUSE	LS			(25)	
SUBTOTAL				2,750	
CONTINGENCY (10%)				275	
TOTAL CONTRACT COST				3,025	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				182	
TOTAL REQUEST				3,207	
TOTAL REQUEST (ROUNDED)				3,200	
10. Description of Proposed Construction: Remove 14 underground storage tanks, pavement, relocate utility systems and communications cables, contaminated soil removal, sludge disposal, laboratory sample analysis, and necessary support. Demolition of two pumphouses.					
11. REQUIREMENT: As required. <u>PROJECT:</u> Remove underground fuel storage tanks. (Current Mission) <u>REQUIREMENT:</u> This is a Level I environmental compliance requirement. This project will demolish two pumphouses and remove 14 underground storage tanks and is required to comply with Title 16, Chapter 45, Montana Underground Storage Tank Rules for Tank Management and Operations which states that inactive or abandoned underground storage tanks must be removed from the ground or filled with an inert material within twelve months from the date taken out of service. Although federal and state regulations allow closure of abandoned tanks by filling them with an inert material, Air Force policy requires removal of abandoned tanks to preclude future liability and record keeping associated with tanks that have been closed in place. <u>CURRENT SITUATION:</u> The base has two liquid fuel pumphouses, constructed in the early 1950s, with twelve 50,000 gallon underground fuel storage tanks and two 2,000 gallon waste fuel storage tanks. The pumphouses are no longer required to meet the installation's fuel storage requirements. The 14 storage tanks are abandoned in place and are currently in violation of Title 16, Chapter 45, Montana Underground Storage Tank Rules for Tank Management and Operations. Nine of these tanks have been abandoned for approximately ten years, while five tanks were abandoned in Aug 1993. Accomplishment of this project will satisfy state environmental regulatory laws.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MALMSTROM AIR FORCE BASE, MONTANA		
4. PROJECT TITLE		5. PROJECT NUMBER
UNDERGROUND FUEL STORAGE TANKS		NZAS932501
<u>IMPACT IF NOT PROVIDED:</u> Failure to remove these underground storage tanks will result in the State of Montana issuing an open enforcement action (OEA), which could result in fines or penalties. These penalties include denying underground tank permits or closing down refueling operations at Malmstrom. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Criteria" or Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that satisfies statutory requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MALMSTROM AIR FORCE BASE, MONTANA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS	NZAS932501	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 APR 26
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		94 JAN 13
(e) Date Design Complete		94 APR 15
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		190
(b) All Other Design Costs		110
(c) Total		300
(d) Contract		275
(e) In-house		25
(4) Construction Start		
		95 FEB
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MALMSTROM AIR FORCE BASE, MONTANA			UNDERGROUND FUEL STORAGE TANKS MINUTEMAN III FACILITIES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.18.56	411-135	NZAS952500	4,000		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UNDERGROUND FUEL STORAGE TANKS	EA	91		2,899	
MINUTEMAN III FACILITIES				(2,219)	
REPLACE UNDERGROUND STORAGE TANKS	EA	43	51,600	(250)	
UPGRADE UNDERGROUND STORAGE TANKS	EA	5	50,000	(430)	
TANK REMOVAL/DISPOSAL	EA	43	10,000	530	
SUPPORTING FACILITIES				(20)	
UTILITIES	LS			(60)	
SITE IMPROVEMENTS	LS			(450)	
SOIL REMEDIATION	LS			3,429	
SUBTOTAL				343	
CONTINGENCY (10%)				3,772	
TOTAL CONTRACT COST				226	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				3,998	
TOTAL REQUEST				4,000	
TOTAL REQUEST (ROUNDED)					
10. Description of Proposed Construction: Remove and replace 43 deep buried tanks and replace with double-walled fiberglass reinforced plastic tanks and upgrade five deep buried tanks to include replacing the product supply lines, return lines, vent lines, removal/disposal of contaminated soil, and all necessary support.					
11. REQUIREMENT: As required.					
PROJECT: Remove, replace, and upgrade underground fuel storage tanks at Minuteman III facilities. (Current Mission)					
REQUIREMENT: This is a Level II environmental compliance requirement. This project will remove 43 deep buried tanks and replace them with new double-walled fiberglass reinforced plastic tanks. This project will also upgrade 5 steel tanks. Federal and state regulations (40 CFR 280.20-.21) and Title 16, Chapter 45, Montana Underground Storage Tank Rules, require that new fiberglass reinforced plastic tanks be installed with spill/overflow prevention and leak detection monitoring systems. For steel tanks being upgraded in place, these regulations require installation of corrosion protection, spill/overflow prevention, and leak detection monitoring systems by December 1998.					
CURRENT SITUATION: Underground fuel storage tanks at missile sites in Montana do not meet federal regulatory requirements for corrosion protection, leak detection monitoring, and overfill/spill protection. The tanks included in this project are up to 40 feet deep.					
IMPACT IF NOT PROVIDED: If these tanks are not brought into environmental compliance by December 1998, the base will be in violation of the law and may be issued notices of violation (NOVs), be fined, and receive significant adverse publicity.					
ADDITIONAL: There is no criteria/scope for this project in Part II of					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MALMSTROM AIR FORCE BASE, MONTANA		
4. PROJECT TITLE		5. PROJECT NUMBER
UNDERGROUND FUEL STORAGE TANKS MINUTEMAN III FACILITIES		NZAS952500
Military Handbook 1190, "Facility Planning and Design Guide" or Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that satisfies statutory requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MALMSTROM AIR FORCE BASE, MONTANA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS MINUTEMAN III FACILITIES	NZAS952500	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 APR 21
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		100%
(d) Date 35% Designed.		93 AUG 30
(e) Date Design Complete		93 DEC 30
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		240
(b) All Other Design Costs		140
(c) Total		380
(d) Contract		
(e) In-house		380
(4) Construction Start		95 FEB
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE	
AIR FORCE									
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX	
OFFUTT AIR FORCE BASE, NEBRASKA				AIR COMBAT COMMAND				0.98	
6. PERSONNEL STRENGTH		PERMANENT		STUDENTS		SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL
a. As of 30 SEP 93		2122	7500	1326		58			
b. End FY 1999		1929	6891	1391				265	118
								27	10,621
7. INVENTORY DATA (\$000)									
a. Total Acreage: (3,992)									
b. Inventory Total As Of: (30 SEP 93) 443,478									
c. Authorization Not Yet In Inventory: 17,990									
d. Authorization Requested In This Program: 2,260									
e. Authorization Included In Following Program: (FY 1996) 3,850									
f. Planned In Next Three Program Years: 31,600									
g. Remaining Deficiency: 0									
h. Grand Total: 499,178									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995									
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	CMPL				
411-135	UNDERGROUND FUEL STORAGE TANKS	24 EA	760	JUN 93	MAR 94				
871-183	UPGRADE STORM DRAINAGE FACILITIES	LS	1,500	MAY 93	MAY 94				
TOTAL:			2,260						
9a. Future Projects: Included in the Following Program (FY 1996)									
740-884	CHILD DEVELOPMENT CENTER	24,100 SF	3,850						
TOTAL:			3,850						
9b. Future Projects: Typical Planned Next Three Years:									
121-124	UPGRADE JET FUEL PUMPING FACILITY	LS	3,300						
121-124	UPGRADE HYDRANT FUEL PUMPING SYSTEM	LS	18,600						
179-475	COMBAT ARMS TRAINING AND MAINTENANCE FACILITY	LS	1,500						
442-758	WAREHOUSE	20,000 SF	2,500						
813-000	UPGRADE ELECTRIC SUBSTATION	LS	5,700						
10. Mission or Major Functions: Headquarters United States Strategic Command; a flying wing which consists of two reconnaissance squadrons (RC-135 aircraft), two airborne command and control squadrons (E-4 and EC-135 aircraft) which maintain a modified alert posture, and an airlift flight (C-21 aircraft); an intelligence wing; Air Force Global Weather Central; and a USAF regional hospital.									
11. Outstanding pollution and safety (OSH) deficiencies:									
a. Air pollution: 1,500									
b. Water pollution: 3,500									
c. Occupational safety and health: 0									
d. Other Environmental: 1,500									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
OFFUTT AIR FORCE BASE, NEBRASKA			UPGRADE STORM DRAINAGE FACILITIES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.74.56C	871-183	SCBP952500	1,500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE STORM DRAINAGE FACILITIES		LS			650
SUPPORTING FACILITIES					700
CORRECT CROSS-CONNECTIONS		LS			(700)
SUBTOTAL					1,350
CONTINGENCY (5%)					68
TOTAL CONTRACT COST					1,418
SUPERVISION, INSPECTION AND OVERHEAD (6%)					85
TOTAL REQUEST					1,503
TOTAL REQUEST (ROUNDED)					1,500
10. Description of Proposed Construction: Provide treatment of storm water runoff by correction of sanitary and storm sewer cross-connections and rerouting of non-storm water discharges to the sanitary sewer system. Connect oil/water separators, and provide necessary support.					
11. REQUIREMENT: As required. PROJECT: Upgrade storm drainage facilities. (Current Mission) REQUIREMENT: This is a Level II environmental compliance requirement. This project is required to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The storm water permit was issued on 1 Oct 93. The base is required to be in compliance with their National Pollutant Discharge Elimination System (NPDES) permit by Oct 96. The base is required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are required to eliminate sources of pollutants to the storm drain. CURRENT SITUATION: The base does not provide storm water runoff control measures from the industrial areas of the base. There are existing cross-connections which are not allowed by the storm water NPDES permit. Some non-storm water discharges (process and sanitary wastewater) are connected to or seep into the storm drainage system which is not allowed by the NPDES permit. IMPACT IF NOT PROVIDED: Offutt AFB will be out of compliance with their NPDES permit. The continuous violation of storm water regulations have the potential for fines up to \$25,000 per day per violation and could create adverse publicity. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
AIR FORCE			
3. INSTALLATION AND LOCATION			
OFFUTT AIR FORCE BASE, NEBRASKA			
4. PROJECT TITLE		5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE FACILITIES		SGBP952500	
86-2, "Standard Facility Requirements".			

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
OFFUTT AIR FORCE BASE, NEBRASKA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE FACILITIES	SGBP952500	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 MAY 14
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		60%
(d) Date 35% Designed.		93 NOV 08
(e) Date Design Complete		94 MAY 19
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):		
(a) Production of Plans and Specifications		(\$000)
(b) All Other Design Costs		90
(c) Total		46
(d) Contract		136
(e) In-house		91
		45
(4) Construction Start		
		95 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST COST INDEX				
MCGUIRE AIR FORCE BASE, NEW JERSEY				AIR MOBILITY COMMAND			1.19				
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		471	3470	1212	71	253	12	2	11		5,502
b. End FY 1999		455	3316	1195		65		1	10		5,042
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,602)											
b. Inventory Total As Of: (30 SEP 93) 237,570											
c. Authorization Not Yet In Inventory: 45,370											
d. Authorization Requested In This Program: 17,000											
e. Authorization Included In Following Program: (FY 1996) 44,400											
f. Planned In Next Three Program Years: 38,600											
g. Remaining Deficiency: 0											
h. Grand Total: 382,940											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMLP		
721-312	DORMITORY			265	PN	8,700		AUG 93	AUG 94		
721-312	DORMITORY			60	PN	1,600		SEP 93	SEP 94		
832-266	UPGRADE SANITARY SEWER SYSTEM			LS		4,800		APR 93	SEP 94		
871-183	UPGRADE STORM DRAINAGE FACILITIES			LS		1,900		SEP 93	JUL 94		
TOTAL:						17,000					
9a. Future Projects: Included in the Following Program (FY 1996)											
113-321	ADD TO PARKING RAMP			LS		4,100					
141-753	SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY			42,705	SF	6,900					
141-753	SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY			42,705	SF	6,900					
141-753	SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY			41,475	SF	7,600					
171-212	ADD TO KC-10 FLIGHT SIMULATOR TRAINING			LS		2,300					
179-511	FIREMEN TRAINING FACILITY			LS		1,600					
179-511	FIRE TRAINING FACILITY			LS		1,600					
721-312	DORMITORY			348	PN	13,400					
TOTAL:						44,400					
9b. Future Projects: Typical Planned Next Three Years:											
721-312	ALTER UNACCOMPANIED ENLISTED HSG			280	PN	7,800					
721-312	DORMITORY			348	PN	13,800					
721-312	ALTER UNACCOMPANIED ENLISTED HSG			252	PN	8,000					
740-316	RECREATION CENTER			22,500	SF	1,800					
880-212	OPEN-HEAD DELUGE SYSTEM			LS		1,600					
10. Mission or Major Functions: Headquarters Twenty-First Air Force; an airlift wing with three C-141 squadrons; an Air Force Reserve C-141 associate airlift wing; and Air National Guard air refueling wing with two KC-135 squadrons.											

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
MCGUIRE AIR FORCE BASE, NEW JERSEY				AIR MOBILITY COMMAND				1.19			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of											
b. End FY											
7. INVENTORY DATA (\$000)											
a. Total Acreage:											
b. Inventory Total As Of:											
c. Authorization Not Yet In Inventory:											
d. Authorization Requested In This Program:											
e. Authorization Included In Following Program:											
f. Planned In Next Three Program Years:											
g. Remaining Deficiency:											
h. Grand Total:											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										1,600	

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY			4. PROJECT TITLE DORMITORY		
5. PROGRAM ELEMENT 4.18.96		6. CATEGORY CODE 721-312	7. PROJECT NUMBER PTFL923001	8. PROJECT COST(\$000) 8,700	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (265 PN)		SF	58,000	110	6,380
SUPPORTING FACILITIES					1,465
UTILITIES		LS			(510)
SITE IMPROVEMENTS		LS			(365)
PAVEMENTS		LS			(590)
SUBTOTAL					7,845
CONTINGENCY (5%)					392
TOTAL CONTRACT COST					8,237
SUPERVISION, INSPECTION AND OVERHEAD (6%)					494
TOTAL REQUEST					8,731
TOTAL REQUEST (ROUNDED)					8,700
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath-room modules, laundry, storage and lounge areas, fire protection and other necessary support. Air Conditioning: 80 Tons. Grade Mix: 240 E1-E4; 25 E5-E6.					
11. REQUIREMENT: 2,158 PN ADEQUATE: 1,056 PN SUBSTANDARD: 1,382 PN PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. CURRENT SITUATION: There are currently not enough adequate dormitories to meet billeting requirements of unaccompanied enlisted personnel at this base. Substandard facilities to be replaced are semi-permanent facilities which do not provide semi-private baths, adequate control of heating and air conditioning, sufficient noise attenuation or necessary amenities to adequately house enlisted personnel. The current dormitory occupancy rate is 100 percent. IMPACT IF NOT PROVIDED: Substandard living accommodations on base will continue to be a contributing factor to low morale, reduced productivity and dissatisfaction with Air Force life for unaccompanied enlisted personnel. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing alternatives of new construction.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY	PTFL923001	
demolishing existing dorms and sending enlisted personnel off base paying BAQ/VHA, revitalization and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost-effective over the life of the project. Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE		5. PROJECT NUMBER
DORMITORY		PTFL923001
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 AUG 15
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		15%
(d) Date 35% Designed.		94 FEB 28
(e) Date Design Complete		94 AUG 15
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		522
(b) All Other Design Costs		304
(c) Total		826
(d) Contract		736
(e) In-house		90
(4) Construction Start		
		95 FEB
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MCGUIRE AIR FORCE BASE, NEW JERSEY			DORMITORY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.12.19	721-312	PTFL943191	1,600		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (60 PN)		SF	12,000	105	1,260
SUPPORTING FACILITIES					195
UTILITIES		LS			(60)
SITE IMPROVEMENTS		LS			(65)
PAVEMENTS		LS			(70)
SUBTOTAL					1,455
CONTINGENCY (5%)					73
TOTAL CONTRACT COST					1,528
SUPERVISION, INSPECTION AND OVERHEAD (6%)					92
TOTAL REQUEST					1,620
TOTAL REQUEST (ROUNDED)					1,600
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath-room modules, laundries, storage and lounge areas and other necessary support. Air Conditioning: 35 Tons. Grade Mix: 60 El-E4. 11. REQUIREMENT: 2,386 PN ADEQUATE: 1,056 PN SUBSTANDARD: 1,382 PN <u>PROJECT</u>: Construct a dormitory. (New Mission) <u>REQUIREMENT</u>: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. <u>CURRENT SITUATION</u>: The Base Realignment and Closure, Round III (BRAC 93) decision realigned KC-10s to McGuire. Subsequent to the closure decision, the USAF decided to consolidate further by moving additional KC-10 aircraft to McGuire. There are not enough dormitories on base to accommodate the additional unaccompanied enlisted personnel who will relocate to this base in support of the Air Force tanker realignment. By adding this requirement to the BRAC dormitory project a single facility can be constructed to satisfy both requirements. Existing dormitories are 100 percent occupied. <u>IMPACT IF NOT PROVIDED</u>: Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded. <u>ADDITIONAL</u>: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". This is a companion project to the BRAC 93 Dormitory project PTFL943176R3 which					

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE DORMITORY		5. PROJECT NUMBER PTFL943191
results in a 228 person dormitory. Project meets FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY	PTFL943191	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 SEP 21
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		15%
(d) Date 35% Designed.		94 FEB 28
(e) Date Design Complete		94 SEP 25
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		96
(b) All Other Design Costs		64
(c) Total		160
(d) Contract		105
(e) In-house		55
(4) Construction Start		95 APR
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MCGUIRE AIR FORCE BASE, NEW JERSEY			UPGRADE SANITARY SEWER SYSTEM		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.18.56	832-266	PTFL943003	4,800		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE SANITARY SEWER SYSTEM	LS			3,874	
UPGRADE SANITARY SEWER MAINS	LF	68,500	35	(2,398)	
CONSTRUCT SANITARY SEWER MAINS	LF	18,000	73	(1,314)	
REPAIR/REPLACE MANHOLES	EA	270	600	(162)	
SUPPORTING FACILITIES				230	
SITE IMPROVEMENTS/PAVEMENTS	LS			(230)	
SUBTOTAL				4,104	
CONTINGENCY (10%)				410	
TOTAL CONTRACT COST				4,514	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				271	
TOTAL REQUEST				4,785	
TOTAL REQUEST (ROUNDED)				4,800	
10. Description of Proposed Construction: All work necessary to upgrade existing sanitary sewer main lines throughout the base. Work includes installing protective linings, replacing existing pipe with vitreous clay pipe where required, regrouting existing manholes, replacing selected manholes and repairing pavements as necessary.					
11. REQUIREMENT: As required.					
PROJECT: Upgrade sanitary sewer system. (Current Mission)					
REQUIREMENT: This is a Level I environmental compliance requirement. This project corrects National Pollutant Discharge Elimination System (NPDES) violations. Court order EPA-CWA-IT-90-214, issued 17 Dec 90, requires McGuire to maintain compliance with the NPDES permit conditions. The NPDES Permit for McGuire states that flow cannot exceed 1.25 million gallons per day. This project is required to eliminate excessive infiltration/inflow to prevent hydraulic overloading in the sanitary sewage collection system. This is necessary to meet the stringent requirements of the Clean Water Act as implemented by regulations, existing court order, and permits issued by the US Environmental Protection Agency (EPA), New Jersey Department of Environmental Protection and the Pinelands Commission.					
CURRENT SITUATION: The 39-year-old sanitary sewer system has deteriorated and cannot meet the current environmental compliance requirements established by the Clean Water Act. Constant sewage line leaks, problems associated with excessive infiltration/inflow to the existing sewage treatment plant, and hydraulic overloading have resulted in McGuire AFB exceeding state pollution discharge permits. Even with a new sewage treatment plant in the FY 92 MILCON program, hydraulic overloading will still occur and cause continuous violations of state discharge permits. A					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE		5. PROJECT NUMBER
UPGRADE SANITARY SEWER SYSTEM		PTFL943003
FY93 military construction project upgrades 36 percent of the sanitary sewer system. This project upgrades the remaining underground sewage system. <u>IMPACT IF NOT PROVIDED:</u> The sanitary sewer system will continue to deteriorate, thus increasing the amount of excessive infiltration/inflow to the existing and proposed sewage treatment plant. This will expose the Air Force and DOD to adverse publicity, increased fines, and possible continuation of outside legal action. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, and new construction) was done. It indicates there is only one option that satisfies regulatory requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE SANITARY SEWER SYSTEM	PTFL943003	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 APR 29
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		15%
(d) Date 35% Designed.		94 MAR 30
(e) Date Design Complete		94 SEP 29
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		200
(b) All Other Design Costs		200
(c) Total		400
(d) Contract		375
(e) In-house		25
(4) Construction Start		
		95 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MCGUIRE AIR FORCE BASE, NEW JERSEY			UPGRADE STORM DRAINAGE FACILITIES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.18.56	871-183	PTFL943002	1,900		
9. COST ESTIMATES					
ITEM	U/H	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE STORM DRAINAGE FACILITIES	LS			1,614	
UPGRADE STORM SEWER MAINS	LF	35,400	35	(1,239)	
CONSTRUCT STORM SEWER MAINS	LF	3,000	75	(225)	
REPAIR/REPLACE MANHOLES	EA	300	500	(150)	
SUPPORTING FACILITIES				35	
SITE IMPROVEMENTS/PAVING	LS			(35)	
SUBTOTAL				1,649	
CONTINGENCY (10%)				165	
TOTAL CONTRACT COST				1,814	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				109	
TOTAL REQUEST				1,923	
TOTAL REQUEST (ROUNDED)				1,900	
10. Description of Proposed Construction: Upgrade storm sewer lines that currently cross the runway. Work includes upgrading three 10-foot storm sewers by installing liners in some reaches, replacing damaged pipe with new pipe where necessary and repairing manholes and paving as required.					
11. REQUIREMENT: As required.					
PROJECT: Upgrade storm drainage facilities. (Current Mission)					
REQUIREMENT: This is a Level II environmental compliance requirement. This project will correct stormwater runoff deficiencies which violate 40 CFR 122.26. These deficiencies must be corrected by 1 Oct 96. An adequate storm drainage system is required to prevent flooding of base and adjoining lands and facilities by collecting runoff from rainfall and conveying it to nearby streams. Without adequate sewer lines, heavy runoff can mix with oil and other contaminants resulting in contamination of nearby waterways. The system must be independent of the existing sanitary sewer system and must reduce excessive infiltration/inflow to the wastewater treatment plant. The upgrading of these sewers will provide improved drainage around the base, where needed, to prevent ponding and storm water entry into the sanitary sewer through manholes and possible cross-connectors with the sanitary sewer system.					
CURRENT SITUATION: The base storm drainage system has deteriorated to the point that it cannot meet current environmental compliance requirements established by the Clean Water Act. Excessive infiltration/inflow during storm events causes hydraulic overloading at the existing wastewater treatment plant upsetting the treatment processes. The aging storm sewer network contributes to sewage plant overload through direct cross connections, infiltration to the sanitary sewer system, inadequate inlet, and sewer capacity. A FY93 military construction project upgrades 37					

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE UPGRADE STORM DRAINAGE FACILITIES		5. PROJECT NUMBER PTFL943002
percent of the storm water system. This project upgrades the remaining storm water system. <u>IMPACT IF NOT PROVIDED:</u> Uncontrolled runoff will result in the base being unable to meet discharge limits during heavy rains. There would be an increase in surface water contamination and uncontrolled runoff would continue to be a potential health and safety hazard to base personnel. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE FACILITIES	PTFL943002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 SEP 15	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	95%	
(d) Date 35% Designed.	93 SEP 19	
(e) Date Design Complete	94 JUL 30	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	90	
(b) All Other Design Costs	103	
(c) Total	193	
(d) Contract	113	
(e) In-house	80	
(4) Construction Start	94 DEC	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
HOLLOMAN AIR FORCE BASE, NEW MEXICO				AIR COMBAT COMMAND				1.06			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		555	4031	976	181	150	12	7	8	61	5,981
b. End FY 1999		486	3965	1041	6	34	2	26	239	397	6,196
7. INVENTORY DATA (\$000)											
a. Total Acreage: (58,565)											
b. Inventory Total As Of: (30 SEP 93) 337,786											
c. Authorization Not Yet In Inventory: 30,220											
d. Authorization Requested In This Program: 3,950											
e. Authorization Included In Following Program: (FY 1996) 0											
f. Planned In Next Three Program Years: 21,040											
g. Remaining Deficiency: 0											
h. Grand Total: 392,996											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START Cmpl			
721-312		DORMITORY		142 PN		3,950		JUN 93 AUG 94			
				TOTAL:		3,950					
9a. Future Projects: Included in the Following Program (FY 1996) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
112-211		TAXIWAY		25,750 SY		1,540					
130-142		FIRE/CRASH RESCUE STATION		5,700 SF		1,300					
312-472		ADD TO ENVIRONMENTAL RESEARCH LABORATORY		6,000 SF		4,000					
315-944		ADD TO AND ALTER WEAPON GUIDANCE LAB		3,900 SF		1,200					
721-312		ALTER UNACCOMPANIED ENLISTED HSG		250 PN		6,900					
10. Mission or Major Functions: A fighter wing with three F-117 squadrons one of which is responsible for training all F-117 aircrews, and a combat air rescue detachment (HH-60 helicopters); a mobility support squadron (maintains the Harvest Bare kit); an Air Force Materiel Command test group; a German Air Force fighter training squadron (F-4 aircraft); and an Air National Guard fighter interceptor detachment (F-16 aircraft).											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
HOLLOMAN AIR FORCE BASE, NEW MEXICO			DORMITORY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.75.96C	721-312	KWRD943007	3,950		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (142 PN)		SF	30,100	92	2,769
SUPPORTING FACILITIES					795
UTILITIES		LS			(175)
SITE IMPROVEMENTS		LS			(235)
PAVEMENTS		LS			(75)
ASBESTOS DISPOSAL		SF	25,700	6	(155)
DEMOLITION		SF	25,700	6	(155)
SUBTOTAL					3,564
CONTINGENCY (5%)					178
TOTAL CONTRACT COST					3,742
SUPERVISION, INSPECTION AND OVERHEAD (6%)					225
TOTAL REQUEST					3,967
TOTAL REQUEST (ROUNDED)					3,950
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, concrete framed facility, insulated maintenance-free exterior masonry walls, and built-up roof system. Includes room-bath-room modules, laundries, storage, lounge areas, fire protection, utilities, site work, and all necessary support. Associated work includes demolition of one existing dormitory facility. Air Conditioning: 86 Tons. Grade Mix: 142 E1-E4.					
11. REQUIREMENT: 1,466 PN ADEQUATE: 1,048 PN SUBSTANDARD: 351 PN PROJECT: Construct a dormitory. (Current Mission) <u>REQUIREMENT:</u> A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, safety, and personal well-being. Properly designed and furnished quarters, which provide some degree of individual privacy, are essential to successfully accomplish the increasingly complicated and important jobs these people must perform. <u>CURRENT SITUATION:</u> Holloman's dormitories were among the worst in Air Combat Command. The one remaining dilapidated dormitory cannot be economically upgraded to current standards and requires constant maintenance and repair. This dormitory has received no major upgrade since it was originally constructed over thirty years ago and it lacks privacy and adequate living space per occupant. It also has obsolete electrical and mechanical systems as well as inadequate lighting, insulation and sound attenuation. The existing fire detection system does not meet current standards as set forth in the NFPA Life Safety Code. The existing dormitory facility (25,716 SF) will be demolished upon construction completion of this facility. <u>IMPACT IF NOT PROVIDED:</u> Substandard living conditions will continue to					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
HOLLOMAN AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE		5. PROJECT NUMBER
DORMITORY		KWRD943007
degrade the morale, productivity and career satisfaction of the enlisted force. <u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". This project has been considered for FY 98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
HOLLOMAN AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY	KWRD943007	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUN 03	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	60%	
(d) Date 35% Designed.	93 NOV 30	
(e) Date Design Complete	94 AUG 10	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	HOLLOMAN	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	71	
(b) All Other Design Costs	208	
(c) Total	279	
(d) Contract	71	
(e) In-house	208	
(4) Construction Start		
	95 JAN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)										2. DATE	
AIR FORCE													
3. INSTALLATION AND LOCATION					4. COMMAND					5. AREA CONST			
KIRTLAND AIR FORCE BASE, NEW MEXICO					AIR FORCE					COST INDEX			
					MATERIEL COMMAND					1.02			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED					
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL		
a. As of 30 SEP 93		1227	3213	2249	101	262	101	89	170	120	7,532		
b. End FY 1999		1300	2935	2332	43	98	33	89	152	120	7,102		
7. INVENTORY DATA (\$000)													
a. Total Acreage: (44,025)													
b. Inventory Total As Of: (30 SEP 93) 433,138													
c. Authorization Not Yet In Inventory: 12,150													
d. Authorization Requested In This Program: 3,200													
e. Authorization Included In Following Program: (FY 1996) 22,950													
f. Planned In Next Three Program Years: 61,140													
g. Remaining Deficiency: 0													
h. Grand Total: 532,578													
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995													
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS					
CODE								START	CMPL				
411-135	UNDERGROUND FUEL STORAGE TANKS				94 EA		3,200	JAN 93	AUG 94				
						TOTAL:	3,200						
9a. Future Projects: Included in the Following Program (FY 1996)													
179-511	FIRE TRAINING FACILITY				1 EA		1,600						
318-614	SOLAR/ELECTRIC LABORATORIES				14,200 SF		2,200						
610-249	ADD TO AND ALTER BASE SUPPORT FACILITIES				89,700 SF		8,000						
721-312	ALTER UNACCOMPANIED ENLISTED HSG				250 PN		4,000						
740-674	ADD TO AND ALTER PHYSICAL FITNESS CENTER				16,330 SF		1,500						
740-884	CHILD DEVELOPMENT CENTER				23,000 SF		2,800						
832-266	ADD TO SANITARY SEWER MAINS				21,500 LF		1,450						
871-183	ALTER STORM DRAINAGE CHANNEL				3,100 LF		1,400						
						TOTAL:	22,950						
9b. Future Projects: Typical Planned Next Three Years:													
171-212	FLIGHT SIMULATION TRAINING				24,540 SF		4,500						
211-159	AIRCRAFT CORROSION CONTROL FACILITY				24,000 SF		6,100						
312-477	LABORATORY RESEARCH PARK PHASE III				4,200 SF		500						
800-000	ECIP				LS		1,000						
842-245	ADD TO AND ALTER BASE WATER SYSTEM				LS		8,800						
10. Mission or Major Functions: Phillips Laboratory; the Air Force Operational Test and Evaluation Center; an Air Education and Training Command crew training wing with two flying training squadrons (MH-53, TH-53, UH-1, and MH-60 helicopters, and MC-130 and HC-130 aircraft); Air Force Security Police Agency; and an Air National Guard fighter group (F-16aircraft). Major tenants include Naval Weapons Evaluation Facility and Sandia National Laboratory.													

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
KIRTLAND AIR FORCE BASE, NEW MEXICO				AIR FORCE				COST INDEX			
				MATERIEL COMMAND				1.02			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of											
b. End FY											
7. INVENTORY DATA (\$000)											
a. Total Acreage:											
b. Inventory Total As Of:											
c. Authorization Not Yet In Inventory:											
d. Authorization Requested In This Program:											
e. Authorization Included In Following Program:											
f. Planned In Next Three Program Years:											
g. Remaining Deficiency:											
h. Grand Total:											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										7,050	
c. Occupational safety and health:										0	
d. Other Environmental:										0	

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO			4. PROJECT TITLE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 7.80.56	6. CATEGORY CODE 411-135	7. PROJECT NUMBER MHMV953020	8. PROJECT COST(\$000) 3,200		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UNDERGROUND FUEL STORAGE TANKS	EA	94		1,923	
UNDERGROUND STORAGE TANKS	EA	11	49,000	(539)	
ABOVEGROUND STORAGE TANKS	EA	23	38,000	(874)	
TANK REMOVAL/DISPOSAL	EA	60	8,500	(510)	
SUPPORTING FACILITIES				820	
UTILITIES	LS			(40)	
SITE IMPROVEMENTS	LS			(80)	
SOIL REMEDIATION	LS			(700)	
SUBTOTAL				2,743	
CONTINGENCY (10%)				274	
TOTAL CONTRACT COST				3,017	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				181	
TOTAL REQUEST				3,198	
TOTAL REQUEST (ROUNDED)				3,200	
10. Description of Proposed Construction: Remove 60 underground storage tanks; install 11 new underground tanks and 23 new aboveground tanks complete with leak detection, spill/overflow prevention, corrosion protection, soil remediation, site work, utilities and other necessary support.					
11. REQUIREMENT: As required. PROJECT: Remove and install underground fuel storage tanks. (Current Mission) REQUIREMENT: This is a Level II environmental compliance requirement. Environmentally safe storage tanks are required to comply with Environmental Protection Agency (EPA) regulations under Resource Conservation and Recovery Act (RCRA) Subtitle I (40 CFR, part 280) and comparable state regulations. All underground storage tanks must be upgraded or replaced by December 1998. These tanks are needed for operating storage of petroleum products and other environmentally controlled substances which are used in support of laboratories, shops, electric generators and gas stations. CURRENT SITUATION: Most of the existing underground storage tanks do not meet the requirements of current regulations including leak detection, corrosion protection and spill/overflow protection. All of the regulated tanks require annual integrity (tightness) testing, daily fluid level monitoring and monthly reconciliation and control since they lack the proper continuous monitoring equipment and controls. If these tanks are not upgraded, the exposure to environmental liability will increase. The new underground storage tanks vary from 500 to 10,000 gallon capacity and new aboveground storage tanks vary from 500 to 33,000 gallon capacity. IMPACT IF NOT PROVIDED: The base will be out of compliance with EPA					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KIRTLAND AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS	MHMV953020	
regulations and, with the passage of time, the potential for groundwater contamination will increase. Non-compliance could result in fines of up to \$25,000 per day. Removal of tanks without replacement would seriously impact accomplishment of the base missions. <u>ADDITIONAL:</u> There is no criteria/scope for this project in either Part II of Military Handbook 1190, "Facility Planning and Design Guide" or Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KIRTLAND AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS	MHMV953020	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JAN 20	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	93 OCT 15	
(e) Date Design Complete	94 AUG 30	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	180	
(b) All Other Design Costs	216	
(c) Total	396	
(d) Contract		
(e) In-house	396	
(4) Construction Start 94 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
POPE AIR FORCE BASE, NORTH CAROLINA				AIR COMBAT COMMAND				0.80			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		672	4017	449	23	46	48	9	157	43	5,464
b. End FY 1999		534	3745	374		5		11	113	23	4,805
7. INVENTORY DATA (\$000)											
a. Total Acreage: (1,913)											
b. Inventory Total As Of: (30 SEP 93)										108,380	
c. Authorization Not Yet In Inventory:										30,380	
d. Authorization Requested In This Program:										6,600	
e. Authorization Included In Following Program: (FY 1996)										8,730	
f. Planned In Next Three Program Years:										2,150	
g. Remaining Deficiency:										86,800	
h. Grand Total:										243,040	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START		CMPL	
136-661		AIRCRAFT PARKING APRON		LS		1,500		JUL 93		JUN 94	
		LIGHTING									
179-511		FIRE TRAINING FACILITY		1 EA		1,100		JUN 93		AUG 94	
851-142		BRIDGE, ROAD AND UTILITIES		LS		0		JUN 93		JUL 94	
TOTAL:						2,600					
9a. Future Projects: Included in the Following Program (FY 1996)											
141-753		SQUADRON OPERATIONS FACILITY		33,600 SF		5,000					
721-312		CONSTRUCT DORMITORY		165 PN		3,200					
871-183		STORM DRAINAGE FACILITIES		LS		530					
TOTAL:						8,730					
9b. Future Projects: Typical Planned Next Three Years:											
411-135		UNDERGROUND FUEL STORAGE TANKS		29 EA		2,150					
10. Mission or Major Functions: A composite wing which includes one F-16 squadron, one A/OA-10 squadron, and two C-130 squadrons.											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution:										1,500	
b. Water pollution:										3,500	
c. Occupational safety and health:										0	
d. Other Environmental:										1,500	

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
POPE AIR FORCE BASE, NORTH CAROLINA		AIRCRAFT PARKING APRON LIGHTING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
2.75.96C	136-661	TMKH933625	1,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
AIRCRAFT PARKING APRON LIGHTING	LS			1,220
SUPPORTING FACILITIES				140
UTILITIES	LS			(100)
SITE IMPROVEMENTS	LS			(25)
PAVEMENTS	LS			(15)
SUBTOTAL				1,360
CONTINGENCY (5%)				68
TOTAL CONTRACT COST				1,428
SUPERVISION, INSPECTION AND OVERHEAD (6%)				86
TOTAL REQUEST				1,514
TOTAL REQUEST (ROUNDED)				1,500
10. Description of Proposed Construction: Construct reinforced concrete foundations and install high pressure sodium floodlights and light standards. Connect wiring to power source and switchgear as necessary. Perform site work and provide required appurtenances.				
11. REQUIREMENT: As required.				
PROJECT: Install aircraft parking apron lighting. (New Mission)				
REQUIREMENT: Pope AFB supports the Air Force's air-land battlefield composite wing comprised of C-130, A-10, and F-16 aircraft. Adequate lighting is required to provide a safe and secure environment to support the wing's night operation. Adequate lighting levels are required to safely perform night movements of aircraft, vehicles, and weapons. Lighting is also needed to improve security surveillance capability of the parking apron, aircraft and equipment.				
CURRENT SITUATION: The beddown of composite wing aircraft has dramatically changed parking apron operations. Lighting levels were considered adequate when the only aircraft operating on the apron were C-130s which are slow moving and not armed. The flightline parking apron, which now accommodates composite wing fighter aircraft, does not have adequate lighting to support safe, secure night operations. Night apron operations, which include aircraft towing and taxiing, weapons movement and loading, and security police surveillance, are impeded due to the lack of adequate apron lighting. Apron operations are more dangerous now with the mix of aircraft and the addition of munitions. Visibility for pilots taxiing their aircraft is extremely low which creates a hazardous environment for aircrews and ground personnel. The risk of costly damage to aircraft is high. Additionally, security requirements are greatly increased with the increased movement and handling of munitions on the				

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
POPE AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
AIRCRAFT PARKING APRON LIGHTING	TMKH933625	
apron. Security is difficult to maintain with the current low lighting levels hindering night visibility. <u>IMPACT IF NOT PROVIDED:</u> Flightline personnel cannot adequately and safely perform security checks, general aircraft maintenance, weapons movement and loading, and aircraft towing and taxiing at night. The potential for personnel sustaining injury, aircraft and vehicle accidents, and security compromises will continue. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
POPE AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
AIRCRAFT PARKING APRON LIGHTING	TMKH933625	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUL 15	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	60%	
(d) Date 35% Designed.	93 SEP 16	
(e) Date Design Complete	94 JUN 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	83	
(b) All Other Design Costs	42	
(c) Total	125	
(d) Contract	83	
(e) In-house	42	
(4) Construction Start	94 DEC	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
POPE AIR FORCE BASE, NORTH CAROLINA			FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.74.56C	179-511	TMKH963007	1,100		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE TRAINING FACILITY		LS			753
SUPPORTING FACILITIES					190
UTILITIES		LS			(45)
PAVEMENTS		LS			(100)
SITE IMPROVEMENTS		LS			(45)
SUBTOTAL					943
CONTINGENCY (10%)					94
TOTAL CONTRACT COST					1,037
SUPERVISION, INSPECTION AND OVERHEAD (6%)					62
TOTAL REQUEST					1,099
TOTAL REQUEST (ROUNDED)					1,100
10. Description of Proposed Construction: Construct a fire training facility to include: a 100 foot diameter environmentally acceptable fire training area with a large frame aircraft simulator, a liquid propane gas (LPG) tank of a 1000 gallon water capacity equivalency, a 500 gallon JP-4 fuel storage tank, a fuel/water separator, and a lined effluent holding pond with pumps and piping systems.					
11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA					
PROJECT: Construct a fire training facility. (Current Mission)					
REQUIREMENT: This is a Level I environmental compliance requirement. The existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). A fire training facility is needed which meets all applicable CWA, Clean Air Act and Resource Conservation and Recovery Act requirements. An impermeable liner must be installed below the burn area. A fuel/water separator and nondischarging effluent holding pond are required to prevent contamination of soil and groundwater. Live fire training is an FAA established quarterly training requirement ensuring the fire fighters maintain a high level of proficiency. Air Force policy directs every major Air Force installation to have a fire training facility which meets fire training requirements and complies with all applicable environmental requirements.					
CURRENT SITUATION: The existing fire training site does not meet the CWA requirements and was closed in 1989. This site is being cleaned up through the environmental Installation Restoration Program (IRP). Training is currently being accomplished in cooperation with the local fire department, which owns portable propane type fire training equipment. The training is not as intense or realistic as a fire training facility and is dependent on their schedule. Additionally, limited manning does					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
POPE AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE TRAINING FACILITY	TMKH963007	
not allow TDY to train at other bases while simultaneously providing sufficient crash/rescue coverage of the airfield. The use of the existing training facility was discontinued due to noncompliance with regulations. The existing facility includes an aircraft mock-up pit which is a shallow, gravel-covered, earthen pit without a protective liner. Pollutants have the potential to be released to the surrounding soil and ground water. <u>IMPACT IF NOT PROVIDED:</u> Previous environmental regulation requirements have forced the closure of this facility. This reduced the quality of required fire training for the assigned fire fighters. Without the stress and realism only possible with live fires, the fire fighters lose proficiency in combating fires. Potential for loss of aircraft and life is significantly increased. <u>ADDITIONAL:</u> There is no criteria/scope for this project in part II of Military Handbook 1190, "Facility Planning and Design Guide".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
POPE AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE TRAINING FACILITY	TMKH963007	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUN 10	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	93 JUL 29	
(e) Date Design Complete	94 AUG 15	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	SEYMOUR	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	56	
(b) All Other Design Costs	33	
(c) Total	89	
(d) Contract		
(e) In-house	89	
(4) Construction Start 95 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
POPE AIR FORCE BASE, NORTH CAROLINA			BRIDGE, ROAD AND UTILITIES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.11.15	851-142	TMKH933624	4,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
BRIDGE, ROAD AND UTILITIES		LS			3,580
SUBTOTAL					3,580
CONTINGENCY (5%)					179
TOTAL CONTRACT COST					3,759
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					244
TOTAL REQUEST					4,003
TOTAL REQUEST (ROUNDED)					4,000
10. Description of Proposed Construction: Construct a reinforced concrete bridge over the Little River, an asphalt access road from the base to the munitions storage area and provide utilities to the site. Utility work will consist of extending water and electric lines and providing sanitary sewage service to the site.					
11. REQUIREMENT: As required.					
<u>PROJECT:</u> Construct bridge, road and utility service to a new munitions storage area. (New Mission)					
<u>REQUIREMENT:</u> A new munitions storage area will be constructed to support the new composite wing at Pope Air Force Base. The area must be serviced with utilities and have adequate access from the base to accommodate the movement of weapons between the munitions storage area and the aircraft parking apron.					
<u>CURRENT SITUATION:</u> Land has recently been provided by the Army for the construction of a munitions storage area for the new composite wing assigned to Pope AFB. The land is located over one mile from the base boundary on the other side of the Little River. This is the only site available which will accommodate the quantity distance (QD) requirements of the munitions storage area. Without meeting these QD requirements, a site cannot be licensed by the DOD Explosives Safety Board. Current access to the site is by a state road connecting to a gravel road with a low-water bridge. Traffic on the state road is heavy and the speed limit is 45 mph. The Army road is only semi-improved with gravel and congested with Army vehicles during their exercises. A new access road must be provided for the safe movement of weapons to support the new composite wing.					
<u>IMPACT IF NOT PROVIDED:</u> Weapons cannot be transported from the munitions					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
POPE AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
BRIDGE, ROAD AND UTILITIES	TMKH933624	
storage area to the aircraft parking apron without jeopardizing the security of the weapons or the safety of the individuals using the state or Army roads. Mission accomplishment may be delayed due to the lack of adequate routes and the requirements to ensure security and safety for movement of weapons off base. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". All known alternatives were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
POPE AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
BRIDGE, ROAD AND UTILITIES	TMKH933624	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUN 06	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1994	45%	
(d) Date 35% Designed.	93 SEP 16	
(e) Date Design Complete	94 JUL 13	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications	220	
(b) All Other Design Costs	154	
(c) Total	374	
(d) Contract	263	
(e) In-house	111	
(4) Construction Start	95 JAN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST		
GRAND FORKS AIR FORCE BASE, NORTH DAKOTA				AIR MOBILITY COMMAND				COST INDEX 0.98		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		680	4154	471						
b. End FY 1999		661	3700	464				1	2	4
										5,305
										4,832
7. INVENTORY DATA (\$000)										
a. Total Acreage: (5,679)										
b. Inventory Total As Of: (30 SEP 93) 322,929										
c. Authorization Not Yet In Inventory: 10,900										
d. Authorization Requested In This Program: 5,200										
e. Authorization Included In Following Program: (FY 1996) 38,700										
f. Planned In Next Three Program Years: 26,400										
g. Remaining Deficiency: 0										
h. Grand Total: 404,129										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START	CPL	
411-134	UNDERGROUND FUEL STORAGE TANKS			119 EA		5,200		MAY 93	SEP 94	
	MISSILE FACILITIES									
TOTAL:						5,200				
9a. Future Projects: Included in the Following Program (FY 1996)										
111-111	UPGRADE RUNWAY			LS		5,000				
121-122	HYDRANT FUELING SYSTEM			11 EA		11,000				
141-753	SQUADRON OPERATIONS FACILITY			40,860 SF		6,300				
610-128	SUPPORT OPERATIONS CENTER			80,021 SF		7,900				
721-312	DORMITORY			260 PN		8,500				
TOTAL:						38,700				
9b. Future Projects: Typical Planned Next Three Years:										
113-321	UPGRADE AIRCRAFT PARKING APRON			LS		6,400				
141-753	SQUADRON OPERATIONS FACILITY			40,860 SF		5,100				
690-000	PROCUREMENT FACILITY			8,500 SF		1,400				
721-312	ALTER DORMITORY			253 PN		4,200				
831-155	INDUSTRIAL WASTEWATER TREATMENT FACILITIES			LS		5,000				
10. Mission or Major Functions: An air refueling wing (KC-135 aircraft); an Air Combat Command bomb squadron (B-1 aircraft), an AFSPACECOM missile wing with three Minuteman intercontinental ballistic squadrons which maintain continuous alert posture and HH-1 helicopters.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									0	
b. Water pollution:									0	
c. Occupational safety and health:									0	
d. Other Environmental:									0	

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		4. PROJECT TITLE UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES		
5. PROGRAM ELEMENT 2.74.56C	6. CATEGORY CODE 411-134	7. PROJECT NUMBER JFSD932500	8. PROJECT COST(\$000) 5,200	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES	EA	119		2,472
UNDERGROUND STORAGE TANKS	EA	55	33,760	(1,857)
UPGRADE UNDERGROUND STORAGE TANKS	EA	9	19,440	(175)
TANK REMOVAL/DISPOSAL	EA	55	8,000	(440)
SUPPORTING FACILITIES				1,985
UTILITIES	LS			(65)
SITE IMPROVEMENTS	LS			(320)
SOIL REMEDIATION	LS			(1,560)
TEMPORARY FUEL/POWER	LS			(40)
SUBTOTAL				4,457
CONTINGENCY (10%)				446
TOTAL CONTRACT COST				4,903
SUPERVISION, INSPECTION AND OVERHEAD (6%)				294
TOTAL REQUEST				5,197
TOTAL REQUEST (ROUNDED)				5,200
10. Description of Proposed Construction: Remove and replace 55 underground storage tanks (UST) with 55 new USTs, one at each launch facility. Dispose of tank residue and remediate soil at each site. Replace tanks with new double-walled tanks and piping, interstitial leak monitoring, overflow prevention, and cathodic protection. Upgrade nine launch control facility USTs (3 USTs at 3 sites) to meet same requirement.				
11. REQUIREMENT: As required. PROJECT: Remove and replace or upgrade underground fuel storage tanks at missile facilities. (Current Mission) REQUIREMENT: This is a Level II environmental compliance requirement. Upgrade all underground storage tanks (UST) regulated by 40 CFR 280 to new standards by December 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated underground storage tanks to have leak detection, corrosion protection, and spill/overflow prevention systems. If underground storage tanks are to be replaced, Air Force policy is to replace them with aboveground tanks or to relocate them into underground vaults wherever possible. However, existing underground petroleum product storage tanks which are in good condition and may be upgraded in-place must be brought into compliance with applicable UST standards. CURRENT SITUATION: Underground storage tanks at Grand Forks AFB missile facilities do not meet federal law (40 CFR 280.21) and state requirements for cathodic protection, leak detection monitoring and overflow/spill protection. These deficiencies must be corrected to prevent violation of federal UST regulations. Currently, 116 deeply buried USTs at missile launch facilities and missile launch control facilities require upgrade or replacement to meet the 1998 federal deadline. This project is the second				

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES	JFSD932500	
of three projects. It will replace 55 USTs, 11,000 gallon capacity each, at 55 LFs, and upgrade 9 USTs, ranging from 1,000 to 14,500 gallon capacity, with 3 tanks at each of 3 LCFs. <u>IMPACT IF NOT PROVIDED:</u> These improvements to USTs are required by Federal Law. If they are not accomplished by the established deadline, the base will be in violation of the law and may begin receiving notices of violation, fines, and significant adverse publicity. Undetected tank failures may result in contamination of soil and potable water supplies, resulting in a threat to human health and well-being and extremely costly cleanup measures. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES	JFSD932500	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 MAY 01
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		20%
(d) Date 35% Designed.		94 JAN 15
(e) Date Design Complete		94 SEP 01
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		135
(b) All Other Design Costs		89
(c) Total		224
(d) Contract		168
(e) In-house		56
(4) Construction Start		95 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION						4. COMMAND		5. AREA CONST COST INDEX		
MINOT AIR FORCE BASE, NORTH DAKOTA						AIR COMBAT COMMAND		1.10		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		753	4285	578		22				
b. End FY 1999		654	3975	575					1	2
7. INVENTORY DATA (\$000)										
a. Total Acreage: (5,385)										
b. Inventory Total As Of: (30 SEP 93)		297,395								
c. Authorization Not Yet In Inventory:		16,200								
d. Authorization Requested In This Program:		5,850								
e. Authorization Included In Following Program: (FY 1996)		2,900								
f. Planned In Next Three Program Years:		40,500								
g. Remaining Deficiency:		0								
h. Grand Total:		362,845								
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY						COST		DESIGN		STATUS
CODE		PROJECT TITLE		SCOPE		(\$000)		START		CMLP
411-134		UNDERGROUND FUEL STORAGE TANKS		78 EA		2,950		JAN 93		MAY 93
		MISSILE FACILITIES								
411-135		UNDERGROUND FUEL STORAGE TANKS		53 EA		1,400		JUN 93		MAR 94
871-183		UPGRADE STORM DRAINAGE		LS		1,500		MAY 93		JUN 94
		FACILITIES								
TOTAL:						5,850				
9a. Future Projects: Included in the Following Program (FY 1996)										
411-134		UNDERGROUND FUEL STORAGE TANKS		30 EA		2,900				
		- MISSILE FACILITIES								
TOTAL:						2,900				
9b. Future Projects: Typical Planned Next Three Years:										
112-211		UPGRADE TAXIWAY (PH 2)		LS		10,000				
113-321		UPGRADE AIRCRAFT PARKING APRON		LS		3,800				
121-122		UPGRADE HYDRANT FUELING SYSTEM		LS		15,700				
124-000		REPLACE UNDERGROUND STORAGE		LS		1,200				
		TANKS--MISSILE FACILITIES								
411-137		UNDERGROUND FUEL STORAGE TANKS		15 EA		1,350				
10. Mission or Major Functions: A bomb wing which includes one B-52 squadron; an AFSpaceCOM missile wing with three Minuteman intercontinental ballistic missile squadrons which maintain a continuous alert posture and HH-1 helicopters; and an Air Mobility Command air refueling squadron (KC-135 aircraft).										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:		1,500								
b. Water pollution:		6,500								
c. Occupational safety and health:		0								
d. Other Environmental:		3,400								

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MINOT AIR FORCE BASE, NORTH DAKOTA			UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.74.56C	411-134	QJVF932500A	2,950		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES		EA	78		1,580
UNDERGROUND STORAGE TANKS		EA	39	32,510	(1,268)
TANK REMOVAL/DISPOSAL		EA	39	8,000	(312)
SUPPORTING FACILITIES					945
UTILITIES		LS			(10)
SITE IMPROVEMENTS		LS			(155)
SOIL REMEDIATION		LS			(760)
TEMPORARY FUEL/POWER		LS			(20)
SUBTOTAL					2,525
CONTINGENCY (10%)					253
TOTAL CONTRACT COST					2,778
SUPERVISION, INSPECTION AND OVERHEAD (6%)					167
TOTAL REQUEST					2,945
TOTAL REQUEST (ROUNDED)					2,950
10. Description of Proposed Construction: Remove and replace 39 underground storage tanks (UST) with 39 new USTs. Dispose of tank residue and test soil at each site. Replace tanks with new double-walled tanks and piping, interstitial leak monitoring, spill/overflow prevention, and cathodic protection. Includes soil remediation, tank testing, site work, utilities and other necessary support.					
11. REQUIREMENT: As required. <u>PROJECT:</u> Remove and replace underground fuel storage tanks at missile facilities. (Current Mission) <u>REQUIREMENT:</u> This is a Level II environmental compliance project. Upgrade all underground storage tanks (USTs) regulated by 40 CFR 280 to new standards by Dec 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated underground storage tanks to have leak detection, corrosion protection, and spill/overflow prevention systems. If USTs are to be replaced, Air Force policy is to replace them with aboveground tanks or to relocate them into underground vaults wherever possible. However, existing underground petroleum product storage tanks which are in good condition and may be upgraded in-place must be brought into compliance with applicable UST standards. <u>CURRENT SITUATION:</u> Underground storage tanks at Minot AFB missile facilities do not meet federal law (40 CFR 280.21) and state requirements for cathodic protection, leak detection monitoring and overflow/spill protection. These deficiencies must be corrected to prevent violation of federal UST regulations. Currently, 180 deeply buried USTs at missile launch and launch control facilities require upgrade or replacement to meet the 1998 federal deadline. This project is the second of four projects; it will replace 39 USTs, 14,300 gallon capacity each, at 39					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MINOT AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES	QJVF932500A	
launch facilities. <u>IMPACT IF NOT PROVIDED:</u> Failure to replace these tanks at Minot AFB will result in an unacceptable risk of pollution. Additionally, Minot AFB will not be in compliance with federal and state environmental requirements thereby subjecting the base to enforcement action and monetary penalties. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MINOT AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES	QJVF932500A	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 JAN 15
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1994		100%
(d) Date 35% Designed.		93 MAR 10
(e) Date Design Complete		93 MAY 18
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		100
(b) All Other Design Costs		80
(c) Total		180
(d) Contract		168
(e) In-house		12
(4) Construction Start		95 MAR
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA			4. PROJECT TITLE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 2.74.56C	6. CATEGORY CODE 411-135	7. PROJECT NUMBER QJVF932501	8. PROJECT COST(\$000) 1,400		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UNDERGROUND FUEL STORAGE TANKS	EA	53		747	
ABOVEGROUND STORAGE TANKS	EA	11	16,000	(176)	
UNDERGROUND STORAGE TANKS	EA	8	42,000	(336)	
UPGRADE UNDERGROUND STORAGE TANKS	EA	13	10,000	(130)	
TANK REMOVE/DISPOSAL	EA	21	5,000	(105)	
SUPPORTING FACILITIES				450	
UTILITIES	LS			(15)	
SITE IMPROVEMENTS	LS			(35)	
SOIL REMEDIATION	LS			(400)	
SUBTOTAL				1,197	
CONTINGENCY (10%)				120	
TOTAL CONTRACT COST				1,317	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				79	
TOTAL REQUEST				1,396	
TOTAL REQUEST (ROUNDED)				1,400	
10. Description of Proposed Construction: Remove 21 underground storage tanks (UST), install 11 new aboveground tanks with containment dikes, 8 new underground tanks and upgrade 13 existing USTs. Replace tanks with new double-walled tanks and piping, interstitial leak monitoring, spill/overflow prevention, and cathodic protection. Includes soil remediation, tank testing, site work, utilities and other necessary support.					
11. REQUIREMENT: As required.					
<u>PROJECT:</u> Remove and replace or upgrade underground fuel storage tanks. (Current Mission)					
<u>REQUIREMENT:</u> This is a Level II environmental compliance project. Upgrade all underground storage tanks (USTs) regulated by 40 CFR 280 to new standards by Dec 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated underground storage tanks to have leak detection, corrosion protection, and spill/overflow prevention systems. If USTs are to be replaced, Air Force policy is to replace them with aboveground tanks or to relocate them into underground vaults wherever possible. However, existing underground petroleum product storage tanks which are in good condition and may be upgraded in-place must be brought into compliance with applicable UST standards.					
<u>CURRENT SITUATION:</u> Underground storage tanks at Minot AFB do not meet federal law (40 CFR 280.21) and state requirements for cathodic protection, leak detection monitoring and overflow/spill protection. Replacement of tanks, ranging from 300 to 50,000 gallons, and upgrade of tanks, ranging from 1,000 to 39,800 gallons, are required to assure environmental compliance.					
<u>IMPACT IF NOT PROVIDED:</u> Failure to replace these tanks at Minot AFB will result in an unacceptable risk of pollution. Additionally, Minot AFB will					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MINOT AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS	QJVF932501	
not be in compliance with federal and state environmental requirements thereby subjecting the base to enforcement action and monetary penalties. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MINOT AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS	QJVF932501	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUN 11	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	93 NOV 02	
(e) Date Design Complete	94 MAR 10	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	84	
(b) All Other Design Costs	88	
(c) Total	172	
(d) Contract	129	
(e) In-house	43	
(4) Construction Start		
	95 FEB	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MINOT AIR FORCE BASE, NORTH DAKOTA			UPGRADE STORM DRAINAGE FACILITIES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.74.56C	871-183	QJVF992500	1,500		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE STORM DRAINAGE FACILITIES	LS			400	
SUPPORTING FACILITIES				950	
REPAIR/REPLACE STORM DRAINAGE LINES	LS			(500)	
CORRECT CROSS-CONNECTIONS	LS			(450)	
SUBTOTAL				1,350	
CONTINGENCY (5%)				68	
TOTAL CONTRACT COST				1,418	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				85	
TOTAL REQUEST				1,503	
TOTAL REQUEST (ROUNDED)				1,500	
10. Description of Proposed Construction: Provide treatment of storm water runoff by correction of cross-connections, connection of non-storm water discharges to the sanitary sewer, repair of broken or misaligned storm drainage lines, and construction of storm water diversion structures.					
11. REQUIREMENT: As required. PROJECT: Upgrade storm drainage facilities. (Current Mission) REQUIREMENT: This is a Level II environmental compliance requirement. This project is required to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The storm water permit was issued on 1 Oct 93. The base is required to be in compliance with their National Pollutant Discharge Eliminate System (NPDES) permit by Oct 96. The base is required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are required to eliminate sources of pollutants to the storm drain. CURRENT SITUATION: The base does not provide storm water runoff control measures from the industrial areas of the base. There are existing cross-connections which are not allowed by the storm water NPDES permit. Some non-storm water discharges (process and sanitary wastewater) are connected to or seep into the storm drainage system which is not allowed by the NPDES permit. IMPACT IF NOT PROVIDED: Minot AFB will be out of compliance with their NPDES permit. The continuous violation of storm water regulations have the potential for fines up to \$25,000 per day per violation and could create adverse publicity. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However,					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MINOT AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE FACILITIES	QJVF992500	
this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MINOT AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE FACILITIES	QJVF992500	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 MAY 14
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		93 NOV 02
(e) Date Design Complete		94 JUN 15
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		90
(b) All Other Design Costs		52
(c) Total		142
(d) Contract		
(e) In-house		142
(4) Construction Start		95 FEB
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE	
AIR FORCE									
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO				4. COMMAND AIR FORCE MATERIEL COMMAND				5. AREA CONST COST INDEX 0.89	
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED	
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL
a. As of 30 SEP 93		4438	3655	15936	342				
b. End FY 1999		3569	2800	13529	347		2	76	138
								66	
									24,371
									20,527
7. INVENTORY DATA (\$000)									
a. Total Acreage: (8,245)									
b. Inventory Total As Of: (30 SEP 93) 796,219									
c. Authorization Not Yet In Inventory: 55,820									
d. Authorization Requested In This Program: 3,350									
e. Authorization Included In Following Program: (FY 1996) 10,750									
f. Planned In Next Three Program Years: 72,900									
g. Remaining Deficiency: 0									
h. Grand Total: 939,039									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995									
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS	
CODE								START	CMPL
871-183	UPGRADE STORM DRAINAGE SYSTEM			LS	3,350			MAR 93	MAY 94
					TOTAL:	3,350			
9a. Future Projects: Included in the Following Program (FY 1996)									
311-173	RENOVATE ACQUISITION		60,000	SF	6,000				
MANAGEMENT FACILITY									
411-135	FUEL CONTAINMENT DIKES			LS	600				
821-116	UPGRADE HEAT PLANT EMISSION			LS	4,150				
CONTROL SYSTEM									
					TOTAL:	10,750			
9b. Future Projects: Typical Planned Next Three Years:									
171-851	ADD TO AND ALTER ENGINEERING		36,000	SF	6,800				
AND RESEARCH LABORATORY									
310-921	ADD TO AND ALTER TOXIC HAZARDS		38,000	SF	7,800				
LABORATORY									
311-173	RENOVATE ACQUISITION		34,000	SF	3,500				
MANAGEMENT FACILITY									
311-173	ACQUISITION MANAGEMENT COMPLEX			LS	11,500				
PHASE III									
871-183	UPGRADE STORM DRAINAGE SYSTEM		12,000	LF	3,500				
10. Mission or Major Functions: Headquarters Air Force Materiel Command; Security Assistance Center; Aeronautical Systems Center; Wright Laboratory; test wing with various types of test aircraft and C-21 aircraft; Air Force Institute of Technology; Air Force Intelligence Command Foreign Aerospace Science and Technology Center; Air Force Reserve F-16 fighter group and C-141 airlift group; Air Force Museum; and a major USAF medical center.									
11. Outstanding pollution and safety (OSH) deficiencies:									
a. Air pollution: 7,200									
b. Water pollution: 3,100									
c. Occupational safety and health: 0									
d. Other Environmental: 0									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
WRIGHT-PATTERSON AIR FORCE BASE, OHIO			UPGRADE STORM DRAINAGE SYSTEM		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
7.80.56	871-183	ZHTV863243	3,350		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE STORM DRAINAGE SYSTEM	LS			2,500	
SUPPORTING FACILITIES				385	
CULVERTS	EA	3	15,000	(45)	
FUEL-WATER SEPARATORS	LS			(140)	
SITE IMPROVEMENTS	LS			(200)	
SUBTOTAL				2,885	
CONTINGENCY (10%)				289	
TOTAL CONTRACT COST				3,174	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				190	
TOTAL REQUEST				3,364	
TOTAL REQUEST (ROUNDED)				3,350	
10. Description of Proposed Construction: Install pollution control structures to channel and divert storm water only to the existing storm water collection system, eliminate sanitary/storm sewer cross connections, upgrade oil water separators, provide additional interceptor sewers, berms, retention/detention basins and necessary support.					
11. REQUIREMENT: As required.					
PROJECT: Upgrade storm drainage system. (Current Mission)					
REQUIREMENT: This is a Level II environmental compliance requirement. This project is required to satisfy the Clean Water Act requirement under 40 CFR 122 for storm water discharge. The base is required to be in compliance with the National Pollutant Discharge Elimination System (NPDES) storm water permit by October 1996. The base's individual storm water permit will be issued by 31 July 1994. Installation of pollution control structures will allow only storm water runoff to enter the storm water collection system, which eventually discharges into the Mad River. The base is required to certify that non-storm water discharges are not connected to the storm water system. Corrective actions are required to eliminate sources of pollutants in the storm drainage system.					
CURRENT SITUATION: The existing storm water drainage system receives runoff from the flight line and other industrial areas of the base and discharges through numerous discharge points to creeks which traverse the base, eventually discharging into the Mad River. There are no measures to prevent potential pollutant sources from mixing with storm water runoff and entering aquifers. There are non-storm water discharges connected to the storm water system in violation of the storm water NPDES permit. The base has also frequently exceeded prior discharge limits for suspended solids that were in the now expired storm water permit.					

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO		
4. PROJECT TITLE UPGRADE STORM DRAINAGE SYSTEM		5. PROJECT NUMBER ZHTV863243
<u>IMPACT IF NOT PROVIDED:</u> Uncontrolled runoff will result in the inability of the base to meet discharge limits during heavy rains. The base will be out of compliance with EPA storm water regulations and would be subject to potential fines of up to \$25,000 per day per violation. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, a formal economic analysis was not needed or performed. A certificate of exception has been prepared.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
WRIGHT-PATTERSON AIR FORCE BASE, OHIO		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE SYSTEM	ZHTV863243	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 MAR 08	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	93 AUG 19	
(e) Date Design Complete	94 MAY 30	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications	180	
(b) All Other Design Costs	27	
(c) Total	207	
(d) Contract		
(e) In-house	207	
(4) Construction Start	94 DEC	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST		
ALTUS AIR FORCE BASE, OKLAHOMA				AIR EDUCATION AND TRAINING COMMAND				COST INDEX 0.92		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		394	2778	483	150	219	3			
b. End FY 1999		382	2638	493	147	180				
7. INVENTORY DATA (\$000)										
a. Total Acreage: (4,698)										
b. Inventory Total As Of: (30 SEP 93) 173,040										
c. Authorization Not Yet In Inventory: 86,740										
d. Authorization Requested In This Program: 3,750										
e. Authorization Included In Following Program: (FY 1996) 4,250										
f. Planned In Next Three Program Years: 15,450										
g. Remaining Deficiency: 0										
h. Grand Total: 283,230										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START	CMPL	
721-312	ADD TO AND ALTER DORMITORY			100 PN		3,750		JUN 93	JUL 94	
						TOTAL:	3,750			
9a. Future Projects: Included in the Following Program (FY 1996)										
179-511	FIRE TRAINING FACILITY			1 EA		1,050				
721-315	ADD TO AND ALTER VISITING ARMEN DORMITORY			34,748 SF		3,200				
						TOTAL:	4,250			
9b. Future Projects: Typical Planned Next Three Years:										
141-753	CONSOLIDATED SQUADRON OPERATIONS/AMU FACILITY			38,500 SF		5,200				
149-962	CONTROL TOWER			1 EA		2,550				
411-135	IMPROVE JET FUEL STORAGE			LS		3,950				
740-884	ADD TO AND ALTER CHILD DEVELOPMENT CENTER			12,742 SF		3,750				
10. Mission or Major Functions: A flying training wing with one C-5 squadron and one C-141 squadron that are responsible for training all C-5 and C-141 aircrews and two Air Mobility Command air refueling squadrons (KC-135 aircraft). Also, designated to be the primary base for training all C-17 aircrews.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution: 0										
b. Water pollution: 1,020										
c. Occupational safety and health: 0										
d. Other Environmental: 0										

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ALTUS AIR FORCE BASE, OKLAHOMA			ADD TO AND ALTER DORMITORY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.18.96	721-312	AGGN953035	3,750		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
ADD TO AND ALTER DORMITORY (100 PN)		SF	34,800		2,288
ALTERATION		SF	25,500	58	(1,479)
ADDITION (EXTERIOR ENTRANCES)		SF	9,300	87	(809)
SUPPORTING FACILITIES					910
UTILITIES		LS			(350)
SITE IMPROVEMENTS		LS			(150)
PAVEMENTS		SY	3,000	35	(105)
ASBESTOS REMOVAL		LS			(280)
SPECIAL FOUNDATION		LS			(25)
SUBTOTAL					3,198
CONTINGENCY (10%)					320
TOTAL CONTRACT COST					3,518
SUPERVISION, INSPECTION AND OVERHEAD (6%)					211
TOTAL REQUEST					3,729
TOTAL REQUEST (ROUNDED)					3,750
10. Description of Proposed Construction: Upgrade existing masonry facility and construct addition for exterior entrances. Includes room-bath-room modules, insulation and sound attenuation, utilities, asbestos removal, storage and other necessary support. Grade Mix: 57 E1-E4; 43 E5-E6.					
11. REQUIREMENT: 1,108 PN ADEQUATE: 708 PN SUBSTANDARD: 1,032 PN PROJECT: Add to and alter dormitory. (Current Mission) <u>REQUIREMENT:</u> A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. <u>CURRENT SITUATION:</u> Existing unaccompanied personnel housing is far below current DoD standards. This dormitory has central latrines, inadequate control of heating, insufficient noise attenuation and lacks the necessary amenities to adequately house enlisted personnel. This project will upgrade one facility to meet current DoD standards. <u>IMPACT IF NOT PROVIDED:</u> Substandard living conditions on base will continue to be a contributing factor to low morale, reduced productivity and dissatisfaction with Air Force life for unaccompanied enlisted personnel. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been performed comparing alternatives of new construction, revitalization, demolishing existing dorm and relocating occupants off base paying appropriate BAS/VHA and status quo operation. Based on the					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
AIR FORCE			
3. INSTALLATION AND LOCATION			
ALTUS AIR FORCE BASE, OKLAHOMA			
4. PROJECT TITLE		5. PROJECT NUMBER	
ADD TO AND ALTER DORMITORY		AGGN953035	
net present values and benefits of the respective alternatives, revitalization was found to be the most cost effective over the life of the project. Project has been considered for FY98 force structure end strength.			

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ALTUS AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
ADD TO AND ALTER DORMITORY	AGGN953035	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 JUN 01
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		94 JAN 24
(e) Date Design Complete		94 JUL 15
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		220
(b) All Other Design Costs		136
(c) Total		356
(d) Contract		
(e) In-house		356
(4) Construction Start		94 DEC
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
TINKER AIR FORCE BASE, OKLAHOMA				AIR FORCE MATERIEL COMMAND				0.90			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		1433	5657	13357							20,447
b. End FY 1999		1262	5903	11357					851	90	19,463
7. INVENTORY DATA (\$000)											
a. Total Acreage: (4,966)											
b. Inventory Total As Of: (30 SEP 93) 581,451											
c. Authorization Not Yet In Inventory: 47,830											
d. Authorization Requested In This Program: 9,643											
e. Authorization Included In Following Program: (FY 1996) 18,200											
f. Planned In Next Three Program Years: 81,150											
g. Remaining Deficiency: 0											
h. Grand Total: 738,274											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START		CMPL	
211-159		ALTER VENTILATION SYSTEM,		110,500 SF		8,400		APR 93		AUG 94	
		CORROSION CONTROL FAC (DBOF)									
871-183		UPGRADE STORM DRAINAGE SYSTEM		LS		1,243		FEB 93		AUG 94	
		TOTAL:				9,643					
9a. Future Projects: Included in the Following Program (FY 1996)											
141-753		SQUADRON OPERATIONS/MOBILITY CENTER		40,600 SF		5,700					
211-159		B-2 DEPOT AIRCRAFT CORROSION CONTROL FACILITY		LS		5,000					
721-312		ADD TO AND ALTER DORMITORIES		280 PN		4,400					
871-183		UPGRADE STORM DRAINAGE SYSTEM		LS		3,100					
		TOTAL:				18,200					
9b. Future Projects: Typical Planned Next Three Years:											
123-335		VEHICLE FUELING STATION		8 OL		850					
124-000		REMOVE INACTIVE UNDERGROUND STORAGE TANKS		LS		8,000					
214-425		CONSOLIDATED VEHICLE MAINTENANCE FACILITY		168,000 SF		7,900					
217-742		COMBAT COMMUNICATIONS SQUADRON OPERATIONS FACILITY		44,300 SF		4,350					
610-287		ENGINEERING AND INSTALLATION FACILITY		66,275 SF		8,800					
10. Mission or Major Functions: Oklahoma City Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance of E-3, B-1, B-2, B-52, and KC-135 aircraft, and aircraft engines; Air Combat Command air control wing (E-3 and EC-135 aircraft) and combat communications group; and an Air Force Reserve fighter group (F-16 aircraft). A major tenant is the Navy's TACAMO wing with E-6 aircraft.											

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION						4. COMMAND				5. AREA CONST COST INDEX	
TINKER AIR FORCE BASE, OKLAHOMA						AIR FORCE MATERIEL COMMAND				0.90	
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of											
b. End FY											
7. INVENTORY DATA (\$000)											
a. Total Acreage:											
b. Inventory Total As Of:											
c. Authorization Not Yet In Inventory:											
d. Authorization Requested In This Program:											
e. Authorization Included In Following Program:											
f. Planned In Next Three Program Years:											
g. Remaining Deficiency:											
h. Grand Total:											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution:										3,500	
b. Water pollution:										3,100	
c. Occupational safety and health:										0	
d. Other Environmental:										3,500	

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA			4. PROJECT TITLE ALTER VENTILATION SYSTEM, CORROSION CONTROL FAC (DBOF)		
5. PROGRAM ELEMENT 7.80.56	6. CATEGORY CODE 211-159	7. PROJECT NUMBER WWYK943020	8. PROJECT COST(\$000) 8,400		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
ALTER VENTILATION SYSTEM, CORROSION CONTROL FAC (DBOF)		SF	110,500	25	2,763
SUPPORTING FACILITIES					4,450
UTILITIES		LS			(900)
UPGRADE SUBSTATION		LS			(1,300)
STEAM GENERATION		LS			(2,000)
SITE IMPROVEMENTS		LS			(250)
SUBTOTAL					7,213
CONTINGENCY (10%)					721
TOTAL CONTRACT COST					7,934
SUPERVISION, INSPECTION AND OVERHEAD (6%)					476
TOTAL REQUEST					8,410
TOTAL REQUEST (ROUNDED)					8,400
10. Description of Proposed Construction: Alter ventilation system to provide up to 100 percent make-up air, increase steam and electric service to the facility, and provide necessary support. Air Conditioning: 150 Tons.					
11. REQUIREMENT: 236,000 SF ADEQUATE: 0 SUBSTANDARD: 236,000 SF PROJECT: Alter the ventilation system of a corrosion control facility. (Current Mission) REQUIREMENT: A functional and environmentally safe depot corrosion control facility is required for repainting aircraft in conjunction with periodic depot maintenance of several different aircraft types. Modification of the ventilation system in the existing facility is required to meet Occupational Safety and Health Administration (OSHA) requirements. OSHA Regulation 29 CFR 1910.107(d)(9) requires ventilation systems to limit contaminants to 500 parts per million. A single pass-through ventilation system, with adequate provisions for heating and cooling make-up air, is required to meet this requirement. CURRENT SITUATION: This is one of two depot corrosion control facilities at Tinker Air Force Base, and is the only one equipped for complete aircraft repainting. Twelve of 14 ventilation units in the facility use recirculated air, which violates OSHA regulations and degrades the quality of paint application. The two remaining units exhaust to the outside except in cold weather. Annual paint usage in 1989-1990 averaged 21,000 gallons. Personnel are protected from respiratory hazards by use of special air-line respirators, which greatly decrease productivity. Noncompliance with OSHA regulations has been documented in an Air Force Occupational and Environmental Health Laboratory (AFOEHL) report. Additionally, the temperature and humidity conditions cause poor paint					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
ALTER VENTILATION SYSTEM, CORROSION CONTROL FAC (DBOF)	WWYK943020	
adhesion, blushing, or irregular paint application on about two-thirds of aircraft requiring gloss paint applications. Correction of these flaws range from scuff sanding and touch-up painting to complete repainting of aircraft. <u>IMPACT IF NOT PROVIDED:</u> Aircraft paint operations will continue to violate OSHA standards and a high risk of fire will remain, with the potential loss of building, aircraft and equipment as well as personal injury or death. Also, completion of aircraft painting will continue to be delayed and labor and materials will continue to be wasted repainting aircraft. <u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, contracting and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria specified in Air Force Manual 86-2, "Standard Facility Requirements". The requirement for this project was validated by the Joint Service Depot Maintenance Industrial Military Construction Review Board in September 1992.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
ALTER VENTILATION SYSTEM, CORROSION CONTROL FAC (DBOF)	WWYK943020	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 APR 15	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	93 OCT 10	
(e) Date Design Complete	94 AUG 26	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	500	
(b) All Other Design Costs	340	
(c) Total	840	
(d) Contract	649	
(e) In-house	191	
(4) Construction Start	94 DEC	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
TINKER AIR FORCE BASE, OKLAHOMA			UPGRADE STORM DRAINAGE SYSTEM		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
7.80.56	871-183	WWYK953056	1,243		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE STORM DRAINAGE SYSTEM	LS			840	
BERMS AND INTERCEPTOR SEWERS	LS			(700)	
RETENTION/DETENTION BASINS	EA	2	70,000	(140)	
SUPPORTING FACILITIES				245	
ELIMINATE CROSS-CONNECTIONS	LS			(100)	
CULVERTS	LS			(80)	
FUEL-WATER SEPARATORS	LS			(45)	
SITE IMPROVEMENTS	LS			(20)	
SUBTOTAL				1,085	
CONTINGENCY (10%)				109	
TOTAL CONTRACT COST				1,194	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				72	
TOTAL REQUEST				1,266	
TOTAL REQUEST (ROUNDED)				1,243	
10. Description of Proposed Construction: Install pollution control structures to channel and divert storm water only to the existing storm water collection system; eliminate sanitary and storm sewer cross connections; provide a detention basin, erosion control, canopies and necessary support.					
11. REQUIREMENT: As required. PROJECT: Upgrade storm drainage system. (Current Mission) REQUIREMENT: This is a Level II environmental compliance requirement. This project is required to satisfy the Clean Water Act requirement under 40 CFR 122 for storm water discharge. The base is required to be in compliance with the National Pollutant Discharge Elimination System (NPDES) storm water permit by October 1996. The base's individual storm water permit will be issued by 31 July 1994. In addition, Tinker is under a consent decree with the Natural Resources Defense Council effective 16 March 1993 to implement recommendations of their storm water pollution prevention plan and best management practices evaluation. Installation of pollution control structures will allow only storm water runoff to enter the storm water collection system, which discharges into three creeks and eventually the Canadian River. The base is required to certify that non-storm water discharges are not connected to the storm water system. Corrective actions are required to eliminate sources of pollutants in the storm drainage system. CURRENT SITUATION: The existing storm water drainage system receives runoff from the flight line and other industrial areas of the base and discharges through eight discharge points into Crutcho, Kuhlman and Soldier Creeks. There are no measures to prevent potential pollutant sources from mixing with storm water runoff and entering aquifers. There					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE		5. PROJECT NUMBER
UPGRADE STORM DRAINAGE SYSTEM		WWYK953056
are non-storm water discharges connected to the storm water system in violation of the pending storm water NPDES permit. <u>IMPACT IF NOT PROVIDED:</u> Uncontrolled runoff will result in the inability of the base to meet discharge limits during heavy rains. The base will be out of compliance with EPA storm water regulations and would be subject to potential fines of up to \$25,000 per day per violation. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, a formal economic analysis was not needed or performed. A certificate of exception has been prepared.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE SYSTEM	WWYK953056	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 FEB 08
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		93 SEP 20
(e) Date Design Complete		94 AUG 03
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		70
(b) All Other Design Costs		115
(c) Total		185
(d) Contract		14
(e) In-house		171
(4) Construction Start		94 DEC
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
VANCE AIR FORCE BASE, OKLAHOMA				AIR EDUCATION AND TRAINING COMMAND				COST INDEX 0.92			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		355	398	92	204				1		1,050
b. End FY 1999		354	383	100	246				1		1,084
7. INVENTORY DATA (\$000)											
a. Total Acreage: (4,394)											
b. Inventory Total As Of: (30 SEP 93) 80,338											
c. Authorization Not Yet In Inventory: 7,650											
d. Authorization Requested In This Program: 6,180											
e. Authorization Included In Following Program: (FY 1996) 0											
f. Planned In Next Three Program Years: 10,500											
g. Remaining Deficiency: 0											
h. Grand Total: 104,668											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
179-511	FIRE TRAINING FACILITY			1 EA	980	FEB 93	JUN 94				
721-312	ALTER DORMITORIES			133 PN	2,300	DEC 93	DEC 94				
832-266	UPGRADE SANITARY SEWER SYSTEM			45,900 LF	1,100	JUL 93	SEP 94				
871-183	UPGRADE STORM DRAINAGE SYSTEM			56,900 LF	1,800	JUL 93	SEP 94				
TOTAL:					6,180						
9a. Future Projects: Included in the Following Program (FY 1996) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
113-321	T-37 REPLACEMENT FACILITY			LS	3,250						
MODIFICATIONS											
141-753	SQUADRON OPERATIONS FACILITY			18,000 SF	2,250						
219-944	BASE ENGINEERING COMPLEX			47,600 SF	5,000						
10. Mission or Major Functions: A flying training wing which conducts Undergraduate Pilot Training (UPT) (T-37 and T-38 aircraft). Also, base will undergo a T-37 to T-1 aircraft conversion.											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
VANCE AIR FORCE BASE, OKLAHOMA			ALTER DORMITORIES		
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
8.57.96		721-312	XTLF963302	2,300	
9. COST ESTIMATES					
ITEM			U/M	QUANTITY	COST (\$000)
ALTER DORMITORIES (133 PN)			SF	50,500	39
SUBTOTAL					1,970
CONTINGENCY (10%)					197
TOTAL CONTRACT COST					2,167
SUPERVISION, INSPECTION AND OVERHEAD (6%)					130
TOTAL REQUEST					2,297
TOTAL REQUEST (ROUNDED)					2,300
10. Description of Proposed Construction: Upgrade two dormitories. Work to include: construct semi-private bathrooms, upgrade lighting and architectural finishes in all living areas, lounge areas and hallways, convert the existing gang latrines to storage space, enclose the exterior stair towers on both ends of each building, and replace roofs. Grade Mix: 86 E1-E4; 47 E5-E6. 11. REQUIREMENT: 133 PN ADEQUATE: 0 SUBSTANDARD: 266 PN PROJECT: Alter dormitories. (Current Mission) REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that is conducive to their proper rest, relaxation and personal well-being. This project will upgrade two existing dormitories to meet current DoD standards. CURRENT SITUATION: Presently, the personnel assigned to these two dormitories must use gang latrine facilities. DoD standard is for semi-private bathrooms. Dormitory residents and guests utilizing the exterior stair towers are exposed to inclement weather and must use caution to avoid injury. The room finishes in the dormitory rooms and common use areas are outdated and worn, and there is not enough storage space inside these facilities for the occupants' belongings. IMPACT IF NOT PROVIDED: The forced use of substandard living quarters by enlisted personnel will continue, resulting in low morale and less capability for retention of quality Air Force personnel. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". The House Appropriations Committee directed us to include this project in the FY95 program. Because of this specific Congressional direction, a full economic analysis was not performed. A certificate of exception has been					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VANCE AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE		5. PROJECT NUMBER
ALTER DORMITORIES		XTLF963302
prepared. Alteration cost is 43% of new construction. This project has been considered for FY 98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VANCE AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
ALTER DORMITORIES	XTLF963302	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 DEC 01
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		15%
(d) Date 35% Designed.		94 MAY 01
(e) Date Design Complete		94 DEC 01
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		130
(b) All Other Design Costs		70
(c) Total		200
(d) Contract		150
(e) In-house		50
(4) Construction Start		95 MAR
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
VANCE AIR FORCE BASE, OKLAHOMA			UPGRADE SANITARY SEWER SYSTEM		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.57.56	832-266	XTLF943303	1,100		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE SANITARY SEWER SYSTEM	LF	45,900		900	
REPAIR SEWER LINES	LF	12,000	10	(120)	
REPLACE/ADD SEWER LINES	LF	33,900	23	(780)	
SUPPORTING FACILITIES				55	
SITE IMPROVEMENTS	LS			(10)	
PAVEMENTS	LS			(10)	
CONTAMINATED SOIL REMOVAL	LS			(35)	
SUBTOTAL				955	
CONTINGENCY (10%)				96	
TOTAL CONTRACT COST				1,051	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				63	
TOTAL REQUEST				1,114	
TOTAL REQUEST (ROUNDED)				1,100	
10. Description of Proposed Construction: Perform all work to upgrade the existing sanitary sewer system, remove contaminated soil, and accomplish remediation work.					
11. REQUIREMENT: 45,900 LF ADEQUATE: 0 SUBSTANDARD: 45,900 LF PROJECT: Upgrade sanitary sewer system. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement to correct a permit violation with the City of Enid, Oklahoma. This project will upgrade the existing sanitary sewer system to prevent environmental contamination and system overload due to storm water infiltration. The Clean Water Act prohibits contamination of underground water sources. CURRENT SITUATION: The existing base sanitary sewer system was designed and constructed in 1942 to meet the requirements of Vance AFB at that time. Due to age, soil conditions, and major changes in the size and number of facilities located on base, many of the lines have cracked, broken, collapsed, become misaligned, and are now undersized to handle the newer facilities. A smoke test of the system identified numerous failures in the system and sources of storm water infiltration. Within the past year a collapsed line caused sanitary sewage to escape from the system; this incident was reported to the EPA. Maintenance costs have steadily increased the last three years with over 300 manhours expended on repairs in each of the past two years. The Vance AFB sewage system was connected to the City of Enid in March 1990 and the base now pays sewage treatment fees based upon the quantity of sewage treated. Sewage flow increases as much as 25 percent during periods of rain due to infiltration through damaged lines and possible crossconnections with the storm sewer resulting in increased sewage treatment fees. IMPACT IF NOT PROVIDED: Untreated sewage from this system will continue					

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION VANCE AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE UPGRADE SANITARY SEWER SYSTEM		5. PROJECT NUMBER XTLF943303
to contaminate the environment increasing the potential of harming the health and welfare of the base population. The fifty-year-old system will continue to deteriorate at an accelerated rate. Increased flow rates due to infiltration will continue to cause higher treatment costs. The potential for citations with fines up to \$25,000 per citation will exist. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY 98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VANCE AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE SANITARY SEWER SYSTEM	XTLF943303	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUL 30	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	94 JAN 31	
(e) Date Design Complete	94 SEP 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications	60	
(b) All Other Design Costs	38	
(c) Total	98	
(d) Contract	70	
(e) In-house	28	
(4) Construction Start	94 DEC	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION VANCE AIR FORCE BASE, OKLAHOMA			4. PROJECT TITLE UPGRADE STORM DRAINAGE SYSTEM		
5. PROGRAM ELEMENT 8.57.56	6. CATEGORY CODE 871-183	7. PROJECT NUMBER XTLF953304	8. PROJECT COST(\$000) 1,800		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE STORM DRAINAGE SYSTEM	LF	56,900		1,534	
REPAIR EXISTING LINES	LF	50,000	13	(650)	
NEW DRAIN LINE	LF	1,600	105	(168)	
CHANNEL IMPROVEMENTS	LF	5,300	135	(716)	
SUPPORTING FACILITIES				30	
SITE IMPROVEMENTS	LS			(15)	
PAVEMENT REPAIR	LS			(15)	
SUBTOTAL				1,564	
CONTINGENCY (10%)				156	
TOTAL CONTRACT COST				1,720	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				103	
TOTAL REQUEST				1,823	
TOTAL REQUEST (ROUNDED)				1,800	
10. Description of Proposed Construction: Upgrade and repair the storm water drainage system for the base cantonment area, to include the south drainage ditch. Work shall include repair of all collapsed, cracked and/or broken pipes, and leaking pipe joints. Also install additional drainage pipes, a concrete channel liner, headwalls, culverts and all other associated appurtenances.					
11. REQUIREMENT: 122,346 LF ADEQUATE: 67,804 LF SUBSTANDARD: 51,341 LF PROJECT: Upgrade storm drainage system. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. Repairs will achieve compliance with the National Pollution Discharge Elimination System (NPDES) permit. Repair the existing storm water drainage system and provide additional drainage capacity to prevent flooding. Additional capacity is required to provide adequate drainage for a storm that statistically occurs once in 10 years. The work required is based on the 1987 Maintenance Upgrade Drainage System (MUDS) study for Vance AFB. CURRENT SITUATION: The existing system was constructed in 1942 to meet the needs of Vance Air Force Base at the time. The system has deteriorated due to age and soil conditions, resulting in cracks and misaligned joints. These openings and the unlined channels allow soil infiltration, raising the total suspended solids (TSS) in the storm water. TSS limits identified in the NPDES permit have been exceeded three times since 1992 and by as much as 45 percent. The existing storm drainage system cannot handle runoff from a 10-year storm event which results in flooding. IMPACT IF NOT PROVIDED: Storm water discharge will continue to exceed the parameters of our NPDES permit during periods of runoff and could result					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VANCE AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE SYSTEM	XTLF953304	
in fines due to Clean Water Act violations up to \$25K per violation. The center of the cantonment area will continue to experience flooding resulting in damaged pavements, increased erosion, and pedestrian and vehicular traffic obstructions. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY 98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VANCE AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE SYSTEM	XTLF953304	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUL 30	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	94 JAN 31	
(e) Date Design Complete	94 SEP 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	102	
(b) All Other Design Costs	42	
(c) Total	144	
(d) Contract	110	
(e) In-house	34	
(4) Construction Start	94 DEC	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION		4. COMMAND						5. AREA CONST			
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		AIR MOBILITY COMMAND						COST INDEX 0.85			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		533	3642	1134	103	306	5	1	3	2	5,729
b. End FY 1999		547	3359	1079				1	3	2	4,991
7. INVENTORY DATA (\$000)											
a. Total Acreage: (6,235)											
b. Inventory Total As Of: (30 SEP 93) 157,276											
c. Authorization Not Yet In Inventory: 66,200											
d. Authorization Requested In This Program: 11,400											
e. Authorization Included In Following Program: (FY 1996) 51,150											
f. Planned In Next Three Program Years: 17,000											
g. Remaining Deficiency: 0											
h. Grand Total: 303,026											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START		CMPL	
442-257	UPGRADE HAZARDOUS WASTE			LS		1,500		JUL 93		OCT 94	
	STORAGE FACILITY										
721-315	ALTER DORMITORIES			405 PN		9,900		JUL 93		SEP 94	
TOTAL:						11,400					
9a. Future Projects: Included in the Following Program (FY 1996)											
121-122	C-17 ADD TO AND ALTER APRON/HYDRANT FUELING SYSTEM			LS		12,800					
136-668	AIRFIELD LIGHTING VAULT			3,000 SF		1,300					
141-753	SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY			41,929 SF		7,100					
171-212	ADD TO FLIGHT SIMULATION TRAINING			4,700 SF		1,300					
211-000	AIRCRAFT MAINTENANCE			24,000 SF		4,400					
211-153	C-17 ADD TO AND ALTER AIRCRAFT MAINTENANCE AND NDI SHOP			52,250 SF		4,500					
211-173	LARGE ACFT MAINTENANCE DOCK			26,000 SF		5,600					
721-312	DORMITORY			197 PN		5,600					
721-312	ALTER DORMITORY			293 PN		6,800					
843-315	ADD TO AND ALTER FIRE HYDRANTS			24,000 LF		1,750					
TOTAL:						51,150					
9b. Future Projects: Typical Planned Next Three Years:											
130-142	FIRE/CRASH RESCUE STATION			4,700 SF		1,100					
141-753	SQUADRON OPERATIONS/AMU FACILITY			41,929 SF		7,100					
219-000	BASE ENGINEERING COMPLEX			41,000 SF		5,600					
411-135	IMPROVE JET FUEL STORAGE			LS		1,500					
442-257	BASE HAZ MATERIALS STORAGE			9,600 SF		1,300					
10. Mission or Major Functions: An airlift wing which includes four C-141C-17 squadrons; an Air Force Reserve C-141 associate airlift wing; and an Air National Guard fighter interceptor detachment with F-16 aircraft. A joint military/civil use airfield.											

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST			
CHARLESTON AIR FORCE BASE, SOUTH				AIR MOBILITY			COST INDEX			
CAROLINA				COMMAND			0.85			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of										
b. End FY										
7. INVENTORY DATA (\$000)										
a. Total Acreage:										
b. Inventory Total As Of:										
c. Authorization Not Yet In Inventory:										
d. Authorization Requested In This Program:										
e. Authorization Included In Following Program:										
f. Planned In Next Three Program Years:										
g. Remaining Deficiency:										
h. Grand Total:										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:										0
b. Water pollution:										0
c. Occupational safety and health:										0
d. Other Environmental:										0

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA			4. PROJECT TITLE UPGRADE HAZARDOUS WASTE STORAGE FACILITY	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
4.18.56	442-257	DKFX953008	1.500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE HAZARDOUS WASTE STORAGE FACILITY	LS			181
MODIFY TANK SUPPORTS	TK	4	8,750	(35)
ENCLOSE CONTAINER STORAGE AREA	SF	3,800	28	(106)
MODIFY SECONDARY CONTAINMENT	LS			(15)
LOADING DOCK W/CONNECTOR TO SEPARATOR	LS			(25)
SUPPORTING FACILITIES				1,105
COMPACTION/GROUTING/SOIL BORINGS	LS			(1,010)
PAVEMENTS	SY	1,500	63	(95)
SUBTOTAL				1,286
CONTINGENCY (10%)				129
TOTAL CONTRACT COST				1,415
SUPERVISION, INSPECTION AND OVERHEAD (6%)				85
TOTAL REQUEST				1,500
TOTAL REQUEST (ROUNDED)				1,500
10. Description of Proposed Construction: Soil and foundation stabilization of existing hazardous waste storage facility to meet seismic standards. Project consists of injecting soil stabilizing zero slump grout to a depth of 35 feet under tank and container storage areas. Project will include modification of tank supports, enclosing the container storage areas, paving the yard and necessary support.				
11. REQUIREMENT: As required. PROJECT: Upgrade hazardous waste storage facility. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. This project is required to upgrade the existing hazardous waste storage facility to comply with criteria specified in the South Carolina Code of Regulation 104 - Hazardous Waste Management Location Standards; adopted 22 Feb 1991. Charleston AFB is considered a large quantity generator, and as such, they must store forty-two different hazardous waste materials until proper disposal can be arranged. This standard requires waste storage facilities to be capable of withstanding the stresses of the largest earthquake anticipated in their seismic zone to prevent release of hazardous waste into the environment. CURRENT SITUATION: Hazardous waste at Charleston AFB is stored in a facility permitted in accordance with Part B of the implementing regulations of the Resource Reclamation and Conservation Act (RCRA). The facility consists of four 5,000 gallon tanks in concrete secondary containment and seven container storage areas with secondary containment. The South Carolina Department of Health and Environmental Control inspected the Charleston hazardous waste storage facility 29 Oct 92. During the inspection it was stated that the facility did not meet current seismic requirements and that the base would lose its Part B permit if the				

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE UPGRADE HAZARDOUS WASTE STORAGE FACILITY		5. PROJECT NUMBER DKFX953008
situation was not remediated. If the Part B permit were terminated, the base would have to dispose of hazardous wastes within a 90 day period. This would increase the potential for open enforcement actions (OEs) associated with having to remove hazardous wastes in such a short time period. Proper identification and labeling of chemicals and other hazardous wastes, and the required inspection of the packaging, can take over three months to accomplish, thus increasing the potential of OEs, fines, and adverse publicity for this base. Storage and disposal of contaminated jet fuel and oil in four 5,000 gallon tanks, as opposed to numerous smaller capacity tanks, is much easier to manage as it is less labor intensive for base environmental managers and state inspectors. Replacing the 5,000 gallon tanks will not significantly reduce the cost of this request as the compaction, grouting, and soil borings required at this site will remain the same, which is the majority of the project cost. IMPACT IF NOT PROVIDED: Due to the complexity and heavy regulation of hazardous waste management, exceeding 90 day storage prior to disposal is very probable and could result in Notices of Violation (NOVs) and fines of up to \$25,000 per day per citation. The South Carolina Department of Environmental Health and Control inspected the Charleston hazardous waste storage site and stated the facility did not meet current seismic requirements and that the base would lose its Part B permit if violations were not remediated. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE HAZARDOUS WASTE STORAGE FACILITY	DKFX953008	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 JUL 01
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		94 JAN 12
(e) Date Design Complete		94 OCT 15
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		90
(b) All Other Design Costs		50
(c) Total		140
(d) Contract		100
(e) In-house		40
(4) Construction Start		
		95 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA			4. PROJECT TITLE ALTER DORMITORIES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.18.96	721-312	DKFX953014	9,900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
ALTER DORMITORIES (405 PN)		LS			6,975
ALTERATION		SF	81,500	80	(6,520)
ENCLOSE STAIRWELLS		LS			(105)
CONVERT FLAT ROOF TO SLOPED ROOF		LS			(350)
SUPPORTING FACILITIES					1,480
UTILITIES		LS			(300)
SITE IMPROVEMENTS		LS			(500)
FIRE SUPPRESSION SYSTEM		LS			(200)
ASBESTOS REMOVAL/DISPOSAL		LS			(180)
SEISMIC		LS			(300)
SUBTOTAL					8,455
CONTINGENCY (10%)					846
TOTAL CONTRACT COST					9,301
SUPERVISION, INSPECTION AND OVERHEAD (6%)					558
TOTAL REQUEST					9,859
TOTAL REQUEST (ROUNDED)					9,900
10. Description of Proposed Construction: Demolition of existing interior partitions. Renovation to include new room-bath-room modules, laundries, storage, lounge areas, asbestos removal/disposal, converting flat roof to sloped roof. Also includes installation of exterior wall insulation, stairwell enclosure, and interior seismic shear walls. Grade Mix: 405 E1-E4.					
11. REQUIREMENT: 1,844 PN ADEQUATE: 726 PN SUBSTANDARD: 896 PN PROJECT: Alter dormitories. (Current Mission) <u>REQUIREMENT:</u> A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, and personal well being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. <u>CURRENT SITUATION:</u> The three facilities to be upgraded were constructed in the 1950's. Inefficiencies include lack of privacy, inadequate lighting, poor insulation and sound attenuation, obsolete electrical and mechanical systems and central latrines. Facilities do not conform to current standards of seismic design. The current dormitory occupancy rate at this base is 98 percent. <u>IMPACT IF NOT PROVIDED:</u> Substandard living conditions will persist and morale, productivity and career satisfaction of the enlisted force will continue to be degraded. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economical analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo. Based on the net					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE		5. PROJECT NUMBER
ALTER DORMITORIES		DKFX953014
values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
ALTER DORMITORIES	DKFX953014	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 JUL 01
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		94 JAN 14
(e) Date Design Complete		94 SEP 01
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		594
(b) All Other Design Costs		346
(c) Total		940
(d) Contract		875
(e) In-house		65
(4) Construction Start		95 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA				4. COMMAND AIR COMBAT COMMAND				5. AREA CONST COST INDEX 1.10			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		870	5067	494	34	76	12				6,553
b. End FY 1999		689	3643	502	119	10		1	1	5	4,970
7. INVENTORY DATA (\$000)											
a. Total Acreage: (6,616)											
b. Inventory Total As Of: (30 SEP 93) 417,243											
c. Authorization Not Yet In Inventory: 26,320											
d. Authorization Requested In This Program: 1,450											
e. Authorization Included In Following Program: (FY 1996) 0											
f. Planned In Next Three Program Years: 53,100											
g. Remaining Deficiency: 0											
h. Grand Total: 498,113											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN START		STATUS CMPL	
871-183		UPGRADE STORM DRAINAGE FACILITIES		LS		1,450		JUN 93		MAR 94	
						TOTAL:				1,450	
9a. Future Projects: Included in the Following Program (FY 1996) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
121-122		UPGRADE HYDRANT FUELING SYSTEM		LS		17,200					
141-461		USAF COMMAND POST		10,000 SF		3,900					
411-135		IMPROVE UNDERGROUND FUEL STORAGE TANKS		LS		2,050					
610-000		CONSOLIDATED MANAGEMENT SUPPORT CENTER (PH 3)		41,650 SF		5,700					
841-161		ADD TO AND ALTER WATER SUPPLY SYSTEM		45,200 LF		4,400					
10. Mission or Major Functions: A bomb wing which includes two B-1 squadrons; an AFSPACECOM missile wing with one Minuteman intercontinental ballistic missile squadron and HH-1 helicopters; and an Air Mobility Command air refueling squadron (KC-135 aircraft).											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution:		1,500									
b. Water pollution:		8,500									
c. Occupational safety and health:		1,100									
d. Other Environmental:		1,500									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA			UPGRADE STORM DRAINAGE FACILITIES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.74.56C	871-183	FXBM992500	1,450		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE STORM DRAINAGE FACILITIES	LS			550	
SUPPORTING FACILITIES				760	
CORRECT CROSS-CONNECTIONS	LS			(400)	
INSTALL EROSION CONTROL	CY	8,000	45	(360)	
SUBTOTAL				1,310	
CONTINGENCY (5%)				66	
TOTAL CONTRACT COST				1,376	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				83	
TOTAL REQUEST				1,459	
TOTAL REQUEST (ROUNDED)				1,450	
10. Description of Proposed Construction: Install pollution control structures to channel and divert only storm water runoff to the existing storm water detention basin, correct sanitary and storm sewer cross connections. Provide erosion control for existing detention basin and outfall locations.					
11. REQUIREMENT: As required.					
<u>PROJECT:</u> Upgrade storm drainage facilities. (Current Mission)					
<u>REQUIREMENT:</u> This is a Level II environmental compliance requirement. This project is required to satisfy the Clean Water Act requirement under 40 CFR 122 for storm water discharge. The storm water permit was issued on 1 Oct 93. The base is required to be in compliance with their National Pollutant Discharge Elimination System (NPDES) permit by Oct 96. Corrective actions are required to eliminate sources of pollutants to the storm drain. Installation of storm water pollution control structures will allow only storm water runoff to enter the existing storm water detention basin and eventually to Box Elder Creek. The base is required to certify that non-storm water discharges are not connected to the storm drainage system.					
<u>CURRENT SITUATION:</u> The existing storm water detention basin receives storm water runoff from the flightline area of the base. There are presently no measures to prevent potential pollutant sources from mixing with storm water runoff and entering the detention basin. There are non-storm water discharges connected to the storm drainage system which are not allowed by the NPDES permit. The existing storm water detention basin requires erosion control in order to function properly.					
<u>IMPACT IF NOT PROVIDED:</u> Ellsworth AFB will be out of compliance with their NPDES permit. The continuous violation of storm water regulations					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE FACILITIES	FXBM992500	
have the potential for fines up to \$25,000 per day per violation and could create adverse publicity. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does not meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements."		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE FACILITIES	FXBM992500	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUN 24	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	93 NOV 01	
(e) Date Design Complete	94 MAR 20	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	77	
(b) All Other Design Costs	39	
(c) Total	116	
(d) Contract	77	
(e) In-house	39	
(4) Construction Start	95 JAN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION		4. COMMAND						5. AREA CONST		
ARNOLD AIR FORCE BASE, TENNESSEE		AIR FORCE						COST INDEX		
		MATERIEL COMMAND						0.90		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		69	53	199					1	21
b. End FY 1999		69	47	198					1	21
7. INVENTORY DATA (\$000)										
a. Total Acreage: (39,081)										
b. Inventory Total As Of: (30 SEP 93) 1,141,328										
c. Authorization Not Yet In Inventory: 2,400										
d. Authorization Requested In This Program: 1,900										
e. Authorization Included In Following Program: (FY 1996) 8,950										
f. Planned In Next Three Program Years: 11,900										
g. Remaining Deficiency: 0										
h. Grand Total: 1,166,478										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY						COST		DESIGN STATUS		
CODE	PROJECT TITLE	SCOPE				(\$000)	START	CMPL		
422-257	HAZARDOUS WASTE/MATERIAL STORAGE FACILITY	18,000 SF				1,900	MAY 93	SEP 94		
TOTAL:						1,900				
9a. Future Projects: Included in the Following Program (FY 1996)										
130-142	UPGRADE FIRE PROTECTION SYSTEMS	LS				3,750				
318-614	UPGRADE ENGINE TEST FACILITY REFRIGERATION SYSTEM	LS				5,200				
TOTAL:						8,950				
9b. Future Projects: Typical Planned Next Three Years:										
219-944	BASE MAINTENANCE SHOP	24,960 SF				3,000				
318-614	UPGRADE ENGINE TEST FACILITY DUCTING	LS				8,900				
10. Mission or Major Functions: Arnold Engineering Development Center which conducts research, development, testing, and evaluation in support of aerospace system acquisition. The complex of wind tunnels, jet and rocket engine test cells, space simulation chambers, and hyperballistic ranges is the largest in the US.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution: 2,000										
b. Water pollution: 7,350										
c. Occupational safety and health: 0										
d. Other Environmental: 5,200										

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ARNOLD AIR FORCE BASE, TENNESSEE			HAZARDOUS WASTE/MATERIAL STORAGE FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
7.80.56	422-257	ANZY963003	1.900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
HAZARDOUS WASTE/MATERIAL STORAGE FACILITY		SF	18,000	82	1,476
SUPPORTING FACILITIES					235
UTILITIES		LS			(75)
PAVEMENTS/CONTAINMENT PAD		LS			(100)
SITE IMPROVEMENTS		LS			(50)
DEMOLITION		SF	800	13	(10)
SUBTOTAL					1,711
CONTINGENCY (5%)					86
TOTAL CONTRACT COST					1,797
SUPERVISION, INSPECTION AND OVERHEAD (6%)					108
TOTAL REQUEST					1,905
TOTAL REQUEST (ROUNDED)					1,900
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, pre-engineered insulated metal building with sloped roof. Includes segregation barriers, office and support space, loading dock, containment pad, access and necessary support. Demolish one building. Air Conditioning: 2 Tons.					
11. REQUIREMENT: 26,170 SF ADEQUATE: 7,860 SF SUBSTANDARD: 1,120 SF <u>PROJECT</u> : Construct a hazardous waste/material storage facility. (Current Mission) <u>REQUIREMENT</u> : This is a Level I environmental compliance requirement. An environmentally safe hazardous waste and material storage facility is needed to correct a deficiency identified in a 1992 External Environmental Compliance Assessment and Management Program (ECAMP) audit, which cited a violation of 40 CFR 761.65 (b) (1) (iv). A storage facility is required which meets all government standards for storage of both hazardous materials and hazardous wastes. Standards are included in the Resource Conservation and Recovery Act (RCRA) and the Toxic Substances Control Act (TSCA). This facility will be used for long term storage of hazardous wastes. <u>CURRENT SITUATION</u> : The only two buildings which are permitted for storage of RCRA regulated hazardous wastes were constructed as rocket storage facilities and are located within quantity-distance safety zones for existing explosive storage. The larger building is not suited for storage of TSCA regulated substances such as polychlorinated biphenyl (PCB) because of seams in the floor. This deficiency was identified in the 1992 External ECAMP audit described above. The other building is configured so that access to one leaking drum may necessitate moving over 100 drums before repackaging can begin. The hazardous waste storage yard is a solid					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ARNOLD AIR FORCE BASE, TENNESSEE		
4. PROJECT TITLE	5. PROJECT NUMBER	
HAZARDOUS WASTE/MATERIAL STORAGE FACILITY	ANZY963003	
waste management unit subject to RCRA corrective action rules since previous spills have resulted in contamination of surrounding soils. Also, the outside area is constructed of gravel without berms, in violation of new Clean Water Act (CWA) rules for control of potential hazardous material/waste runoff into surface waters. <u>IMPACT IF NOT PROVIDED:</u> Storage of hazardous wastes at this base will be out of compliance with RCRA, TSCA and CWA regulations. Contamination of the environment will continue, subjecting the base and the Air Force to litigation and possible fines. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ARNOLD AIR FORCE BASE, TENNESSEE		
4. PROJECT TITLE	5. PROJECT NUMBER	
HAZARDOUS WASTE/MATERIAL STORAGE FACILITY	ANZY963003	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 MAY 28
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		93 DEC 20
(e) Date Design Complete		94 SEP 01
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		110
(b) All Other Design Costs		70
(c) Total		180
(d) Contract		
(e) In-house		180
(4) Construction Start		
		94 DEC
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST			
KELLY AIR FORCE BASE, TEXAS				AIR FORCE			COST INDEX			
				MATERIEL COMMAND			0.87			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		875	3879	16243						
b. End FY 1999		803	3417	13464				1	7	12
								TOTAL		
								20,997		
								17,704		
7. INVENTORY DATA (\$000)										
a. Total Acreage: (4,703)										
b. Inventory Total As Of: (30 SEP 93) 478,450										
c. Authorization Not Yet In Inventory: 42,290										
d. Authorization Requested In This Program: 8,950										
e. Authorization Included In Following Program: (FY 1996) 18,464										
f. Planned In Next Three Program Years: 50,790										
g. Remaining Deficiency: 0										
h. Grand Total: 598,944										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START CMPL		
121-122		UPGRADE HYDRANT FUELING SYSTEMS		LS		3,700		TURN KEY		
721-312		ADD TO AND ALTER DORMITORY		136 PN		2,250		MAR 93 SEP 94		
832-266		UPGRADE SANITARY SEWER LINES		40,000 LF		3,000		TURN KEY		
				TOTAL:		8,950				
9a. Future Projects: Included in the Following Program (FY 1996)										
211-152		C-17 COMPOSITE REPAIR FACILITY (DBOF)		55,000 SF		5,400				
610-249		WING HEADQUARTERS FACILITY		20,000 SF		3,244				
730-772		ADD TO AND ALTER CHAPEL CENTER		LS		720				
832-266		REPLACE SANITARY SEWER LINES		40,000 LF		3,100				
871-183		UPGRADE STORM DRAINAGE SYSTEM		8,800 LF		6,000				
				TOTAL:		18,464				
9b. Future Projects: Typical Planned Next Three Years:										
113-321		ADD TO AIRCRAFT PARKING APRON		40,900 SY		2,800				
211-116		RENOVATE DEPOT MAINTENANCE HANGAR		LS		6,000				
211-254		ALTER VENTILATION SYSTEM, ENGINE OVERHAUL FACILITY		LS		5,000				
441-758		SUPPLIES & EQUIP WHSE DEPOT		13,000 SF		3,380				
845-363		WATER REUSE DISTRIBUTION SYSTEM		LS		3,100				
10. Mission or Major Functions: San Antonio Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance of B-52, C-5, C-9, C-17, T-37, T-38, and T-41 aircraft, and all fuels and TF39/TF56/TF100 engines; an Air National Guard fighter group (F-16 squadron); an Air Force Reserve airlift wing (C-5 aircraft); Headquarters Air Force Intelligence Command; Air Force News Agency; and Joint and Air Force Electronic Warfare Centers.										

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST		
KELLY AIR FORCE BASE, TEXAS				AIR FORCE				COST INDEX		
				MATERIEL COMMAND				0.87		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of										
b. End FY										
7. INVENTORY DATA (\$000)										
a. Total Acreage:										
b. Inventory Total As Of:										
c. Authorization Not Yet In Inventory:										
d. Authorization Requested In This Program:										
e. Authorization Included In Following Program:										
f. Planned In Next Three Program Years:										
g. Remaining Deficiency:										
h. Grand Total:										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:								7,500		
b. Water pollution:								22,200		
c. Occupational safety and health:								0		
d. Other Environmental:								0		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
KELLY AIR FORCE BASE, TEXAS			UPGRADE HYDRANT FUELING SYSTEMS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
7.80.56	121-122	MBPB933050	3,700		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE HYDRANT FUELING SYSTEMS	LS			2,700	
SUPPORTING FACILITIES				470	
UTILITIES	LS			(120)	
PAVEMENTS	LS			(30)	
SITE IMPROVEMENTS	LS			(70)	
LEAK DETECTION SYSTEM	LS			(250)	
SUBTOTAL				3,170	
CONTINGENCY (10%)				317	
TOTAL CONTRACT COST				3,487	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				209	
TOTAL REQUEST				3,696	
TOTAL REQUEST (ROUNDED)				3,700	
10. Description of Proposed Construction: Install automatic leak detection system, pressure, flow, and safety devices, and refueling pumps on two hydrant fueling systems.					
11. REQUIREMENT: As required.					
PROJECT: Upgrade hydrant fueling systems. (Current Mission)					
<u>REQUIREMENT:</u> This is a Level I environmental compliance requirement. All existing pressurized piping, including hydrant fueling systems, were required to meet the leak detection requirements of the Texas Water Commission (TWC) underground storage tank rule 334.121-132 by 22 December 1990. TWC enforcement order, 23 March 1989, directs the base to have a method of detecting and preventing releases from underground pipelines. Reliable and environmentally safe hydrant fueling systems are required to refuel aircraft as large as the C-5. Upgrade of the existing systems is required to prevent fuel spills, to lessen the impact of spills, or to provide early detection of any spills which do occur. The alternative is to refuel from tank trucks which takes longer and increases possibility of spillage. <u>CURRENT SITUATION:</u> Kelly Air Force Base utilizes hydrant fueling systems for fueling aircraft as large as the C-5; consequently, these systems are capable of delivering a large amount of fuel in a relatively short period of time. Two twenty-year-old systems are out of compliance with Texas Water Commission rules which require automatic leak detection on the underground portions to preclude leaks from going undetected. Over \$1.9 million has already been spent to investigate and remediate two previous breaks. The base is presently in the process of cleaning up ground water contaminated from one of the previous fuel spills. Presently, if a line ruptures, the pumps run until all the fuel is expended or until the pumps					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KELLY AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE HYDRANT FUELING SYSTEMS	MBPB933050	
are manually shut off. Addition of automatic shut off devices will eliminate this deficiency. <u>IMPACT IF NOT PROVIDED:</u> The probability of ground water contamination of the environmentally sensitive aquifer due to fuel spills at this base will remain very high. The base will be subject to enforcement actions and fines of up to \$25,000 per day. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission and regulatory requirements; therefore, a formal economic analysis was not needed or performed. A certificate of exception has been prepared.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
AIR FORCE			
3. INSTALLATION AND LOCATION			
KELLY AIR FORCE BASE, TEXAS			
4. PROJECT TITLE			5. PROJECT NUMBER
UPGRADE HYDRANT FUELING SYSTEMS			MBPB933050
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Project to be accomplished by one step turn key procedures			
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used -			N/A
(3) Design Allowance			214
(4) Construction Start			94 DEC
b. Equipment associated with this project will be provided from other appropriations: N/A			

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION KELLY AIR FORCE BASE, TEXAS			4. PROJECT TITLE ADD TO AND ALTER DORMITORY		
5. PROGRAM ELEMENT 7.28.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER MBPB943411	8. PROJECT COST(\$000) 2,250		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
ADD TO AND ALTER DORMITORY (136 PN)	SF	28,650		1,506	
ADDITION	SF	3,350	72	(241)	
ALTERATION	SF	25,300	50	(1,265)	
SUPPORTING FACILITIES		1		405	
UTILITIES	LS			(130)	
PAVEMENTS	LS			(25)	
SITE IMPROVEMENTS	LS			(50)	
ASBESTOS REMOVAL	LS			(80)	
COMMUNICATIONS SUPPORT	LS			(25)	
DEMOLITION	SF	11,700	8	(95)	
SUBTOTAL				1,911	
CONTINGENCY (10%)				191	
TOTAL CONTRACT COST				2,102	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				126	
TOTAL REQUEST				2,228	
TOTAL REQUEST (ROUNDED)				2,250	
10. Description of Proposed Construction: Remodel interior partitioning to provide room-bath-room modules, exterior entrances and balconies; extend roofline and upgrade exterior; install cable TV system, upgrade laundry rooms and HVAC systems and provide necessary support. Demolish one building. Grade Mix: 136 El-E4.					
11. REQUIREMENT: 1,219 PN ADEQUATE: 945 PN SUBSTANDARD: 192 PN PROJECT: Add to and alter dormitory. (Current Mission) REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that is conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy, are essential to the successful accomplishment of the increasingly complicated jobs these people must perform. Demolish one building with 11,700 SF. CURRENT SITUATION: The building to be upgraded was constructed in the early 1950s with community latrines on each floor, and is deficient in living space, privacy, sound attenuation, convenience outlets, lighting, and insulation. Many occupants are shift workers who find that the traffic in the corridors make daytime sleep difficult or impossible to obtain. IMPACT IF NOT PROVIDED: Substandard on-base living conditions will continue to degrade the morale, productivity and career satisfaction of the enlisted force. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction and revitalization. Based on the net present values and benefits of the					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KELLY AIR FORCE BASE, TEXAS		
4. PROJECT TITLE		5. PROJECT NUMBER
ADD TO AND ALTER DORMITORY		MBPB943411
respective alternatives, revitalization was found to be the most cost efficient over the life of the project.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KELLY AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
ADD TO AND ALTER DORMITORY	MBPB943411	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 MAR 29
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		30%
(d) Date 35% Designed.		93 NOV 15
(e) Date Design Complete		94 SEP 30
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		100
(b) All Other Design Costs		135
(c) Total		235
(d) Contract		111
(e) In-house		124
(4) Construction Start		
		94 DEC
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
KELLY AIR FORCE BASE, TEXAS			UPGRADE SANITARY SEWER LINES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
7.80.56	832-266	MBPB953805	3,000		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE SANITARY SEWER LINES	LF	40,000	38	1,520	
SUPPORTING FACILITIES				1,050	
MANHOLES	EA	150	1,600	(240)	
PAVEMENTS	LS			(30)	
SITE IMPROVEMENTS	LS			(180)	
SOIL REMEDIATION	LS			(600)	
SUBTOTAL				2,570	
CONTINGENCY (10%)				257	
TOTAL CONTRACT COST				2,827	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				170	
TOTAL REQUEST				2,997	
TOTAL REQUEST (ROUNDED)				3,000	
10. Description of Proposed Construction: Excavate and replace sanitary sewer lines with PVC pipe, bedded and backfilled; repair pavements and restore site.					
11. REQUIREMENT: As required.					
PROJECT: Upgrade sanitary sewer lines. (Current Mission)					
REQUIREMENT: This is a Level II environmental compliance requirement. A sanitary sewage collection system in good working order is required to convey wastes to a connection point with the City of San Antonio for treatment. The system must not discharge untreated sewage into local aquifers consistent with a Texas Water Commission (TWC) compliance order dated 4 May 1989, which requires leaking lines to be repaired.					
CURRENT SITUATION: There are approximately 200,000 feet of sanitary sewer lines on this base. Most of the pipe is over 40 years old and made of brittle vitrified clay, which is susceptible to cracking and breaking by shifting soil. Emergency repairs to the system are often necessary as the lines are badly deteriorated. This condition was confirmed by a recent inspection using television cameras inside the lines. All surveyed lines have been found to be in a deteriorated condition with many collapsed manholes. Cross connections exist between industrial waste water lines and sanitary sewer lines, leaving the potential of contaminating the sanitary sewage which is in violation of state and federal EPA regulations.					
IMPACT IF NOT PROVIDED: Contamination of soil and aquifers will continue in violation of federal and state EPA regulations and the TWC compliance order. The potential exists for fines and penalties of up to \$10,000 per day if the lines are not repaired.					
ADDITIONAL: There is no criteria/scope for this project in Part II of					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KELLY AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE SANITARY SEWER LINES	MBPB953805	
Military Handbook 1190, "Facility Planning and Design Guide". However, it does meet the criteria specified in Air Force Manual 86-2, "Standard Facility Requirements". All reasonable alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KELLY AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE SANITARY SEWER LINES	MBPB953805	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 MAY 21
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		93 DEC 20
(e) Date Design Complete		94 SEP 30
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		170
(b) All Other Design Costs		166
(c) Total		336
(d) Contract		168
(e) In-house		168
(4) Construction Start		
		95 MAR
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
LACKLAND AIR FORCE BASE, TEXAS				AIR EDUCATION AND TRAINING COMMAND				COST INDEX 0.87			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		1665	4111	2519	82	7086	93	11	372		15,939
b. End FY 1999		1746	4558	2676	94	9102	22	11	372		18,581
7. INVENTORY DATA (\$000)											
a. Total Acreage: (6,726)											
b. Inventory Total As Of: (30 SEP 93)										424,266	
c. Authorization Not Yet In Inventory:										35,550	
d. Authorization Requested In This Program:										5,200	
e. Authorization Included In Following Program: (FY 1996)										0	
f. Planned In Next Three Program Years:										9,250	
g. Remaining Deficiency:										0	
h. Grand Total:										474,266	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
171-621	7-LEVEL TRAINING CLASSROOMS			11,400 SF		1,800		TURN KEY			
721-312	ALTER RECRUIT DORMITORY			1,000 PN		3,400		JUL 93 JUN 94			
TOTAL:						5,200					
9a. Future Projects: Included in the Following Program (FY 1996) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
171-476	COMBAT ARMS TRAINING FACILITY			36,100 SF		4,200					
171-621	DETECTOR DOG TRAINING CLASSROOM			19,300 SF		1,650					
871-183	UPGRADE STORM DRAINAGE SYSTEM			LS		3,400					
10. Mission or Major Functions: A training wing which includes Basic Military Training School, and security police, cryptographic maintenance, recruiting, and social actions courses; Defense Language Institute English Language Center; DoD Military Working Dog Training Agency; Inter-American Air Forces Academy, and a major Air Force medical center.											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS			4. PROJECT TITLE 7-LEVEL TRAINING CLASSROOMS		
5. PROGRAM ELEMENT 8.57.96	6. CATEGORY CODE 171-621	7. PROJECT NUMBER MPLS953227	8. PROJECT COST(\$000) 1,800		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
7-LEVEL TRAINING CLASSROOMS	SF	11,400	115	1,311	
SUPPORTING FACILITIES				325	
UTILITIES	LS			(110)	
SITE IMPROVEMENTS	LS			(100)	
PAVEMENTS	LS			(65)	
COMMUNICATIONS SUPPORT	LS			(50)	
SUBTOTAL				1,636	
CONTINGENCY (5%)				82	
TOTAL CONTRACT COST				1,718	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				103	
TOTAL REQUEST				1,821	
TOTAL REQUEST (ROUNDED)				1,800	
10. Description of Proposed Construction: Concrete foundation, brick structure with standing seam metal roof providing classroom space, instructor space, and other supporting space. Air Conditioning: 20 Tons.					
11. REQUIREMENT: 240,374 SF ADEQUATE: 187,929 SF SUBSTANDARD: 41,045 SF PROJECT: Construct 7-level training classrooms. (New Mission) REQUIREMENT: Provide facilities to implement formal advanced training (7-Level Training) to E-5s and E-6s in preparation for advancement to E-7. This requirement is an initiative resulting from CSAF's Year of Training objective to improve the quality of education for Air Force personnel by standardizing a coherent set of training concepts and procedures. This project will provide classrooms, instructor space, and other supporting space to conduct formal 7-level training in 24 different courses. This 7-level training will increase Lackland AFB's average daily student load (ADSL) by 453 students; increase number of students taught per year by over 4000; and require an additional 80 instructors. CURRENT SITUATION: Formal training in preparation for E-7 level positions and responsibilities is not currently available for all E-5 and E-6 personnel in all career fields. Although some personnel have the opportunities for adequate training, many receive on-the-job training and individual course work which is not consistent or coordinated across the Air Force. The CSAF's Year of Training initiative is aimed at correcting this problem and making quality training available for all E-5 and E-6 personnel in all career fields. This training will formalize the training and help transition personnel from apprentice level to journeyman level responsibilities. Existing facilities are not available at Lackland AFB					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
LACKLAND AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
7-LEVEL TRAINING CLASSROOMS	MPLS953227	
to provide adequate classroom space for 7-level training courses. Even though recruit accessions have gone down in recent years, Lackland AFB has consolidated functions with the Fix Lackland program. Many previously occupied substandard facilities (wood framed) have been demolished. In addition, Lackland is gaining a 1552 ADSL from missions relocated by the closure of Lowry AFB, Chanute AFB, and over 100 ADSL from other Year of Training initiatives. As a result, all excess at the installation has been consumed and there is no space available to implement the 7-level training requirement. <u>IMPACT IF NOT PROVIDED:</u> The 7-level training program will not be able to be implemented at Lackland AFB. This will prevent the Air Force from further consolidating education functions at the base, or achieving program objectives. Making these important improvements in the quality of training for E-5 and E-6 personnel will be impossible. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
LACKLAND AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
7-LEVEL TRAINING CLASSROOMS	MPLS953227	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by one step turn key procedures		
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Design Allowance		60
(4) Construction Start		94 DEC
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
LACKLAND AIR FORCE BASE, TEXAS			ALTER RECRUIT DORMITORY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.57.96	721-312	MPLS933054	3,400		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
ALTER RECRUIT DORMITORY (1000 PN)	SF	209,500	14	2,933	
SUBTOTAL				2,933	
CONTINGENCY (10%)				293	
TOTAL CONTRACT COST				3,226	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				194	
TOTAL REQUEST				3,420	
TOTAL REQUEST (ROUNDED)				3,400	
10. Description of Proposed Construction: Reconfigure dining, kitchen and laundry space for a more efficient operation. Replace wall, floor, and ceiling finishes. Upgrade the facility's structural, electrical and mechanical systems.					
Air Conditioning: 150 Tons. Grade Mix: 1000 El-E4.					
11. REQUIREMENT: 8,000 PN ADEQUATE: 3,000 PN SUBSTANDARD: 5,000 PN					
PROJECT: Alter a recruit dormitory. (Current Mission)					
REQUIREMENT: A major Air Force objective is to provide recruits with facilities conducive to their proper housing, dining, and training. A properly designed and furnished facility is essential to successfully train our future Air Force personnel. Existing recruit housing and training (RH&Ts) facilities were designed to meet this objective by providing housing, dining, and classroom space in one facility in an effort to develop teamwork, discipline, and camaraderie among the recruits. This project is part of the Fix Lackland program.					
CURRENT SITUATION: The existing building was constructed in 1968. The mechanical, electrical, lighting, and interior finishes are at the end of their useful life and need replacement. The facility is also outdated and inadequate to meet the current standards for recruit housing, training, and food service. The food preparation, serving area, and laundry area layouts are functionally inefficient and need to be altered to improve efficiency and accommodate new equipment.					
IMPACT IF NOT PROVIDED: The training mission of the Basic Military Training School will continue to be degraded by the condition of this facility. Failures in the mechanical and electrical systems will increase as they are used beyond their useful life. The cost of operations and maintenance to the facility will also escalate as needed repairs are					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
LACKLAND AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
ALTER RECRUIT DORMITORY	MPLS933054	
postponed. <u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". This project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
LACKLAND AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
ALTER RECRUIT DORMITORY	MPLS933054	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUL 15	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	93 DEC 10	
(e) Date Design Complete	94 JUN 09	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	202	
(b) All Other Design Costs	70	
(c) Total	272	
(d) Contract	194	
(e) In-house	78	
(4) Construction Start	94 DEC	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
SHEPPARD AIR FORCE BASE, TEXAS				AIR EDUCATION AND TRAINING COMMAND				COST INDEX 0.90			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		666	2295	1050	332	3308	101	1	221		7,974
b. End FY 1999		679	2870	1515	430	5911	101	1	221		11,728
7. INVENTORY DATA (\$000)											
a. Total Acreage: (5,480)											
b. Inventory Total As Of: (30 SEP 93) 284,499											
c. Authorization Not Yet In Inventory: 24,260											
d. Authorization Requested In This Program: 3,300											
e. Authorization Included In Following Program: (FY 1996) 1,480											
f. Planned In Next Three Program Years: 29,600											
g. Remaining Deficiency: 0											
h. Grand Total: 343,139											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
171-621	7-LEVEL TRAINING CLASSROOMS			21,000 SF	3,300	JUN 93		SEP 94			
				TOTAL:	3,300						
9a. Future Projects: Included in the Following Program (FY 1996)											
136-664 UPGRADE AIRFIELD LIGHTING				28,900 LF	1,480						
				TOTAL:	1,480						
9b. Future Projects: Typical Planned Next Three Years:											
110-000 REPAIR AIRFIELD PAVEMENTS (RAMP)				LS	3,800						
171-621 ALTR MEDICAL TRAINING COMPLEX				169,600 SF	7,800						
442-758 LOGISTICS COMPLEX				154,000 SF	9,700						
610-243 ADD TO AND ALTER GROUP HEADQUARTERS FACILITY				16,100 SF	8,300						
10. Mission or Major Functions: A training wing responsible for aircraft maintenance, civil engineering, comptroller, transportation, and health science courses; a flying training wing with three squadrons (T-37 and T-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint Jet Pilot Training Program; a medical services training group; and a field training group.											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
SHEPPARD AIR FORCE BASE, TEXAS			7-LEVEL TRAINING CLASSROOMS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.57.96	171-621	VNVP943005	3,300		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
7-LEVEL TRAINING CLASSROOMS		SF	21,000	115	2,415
SUPPORTING FACILITIES					565
UTILITIES		LS			(200)
SITE IMPROVEMENTS		LS			(150)
PAVEMENTS		LS			(125)
COMMUNICATIONS SUPPORT		LS			(90)
SUBTOTAL					2,980
CONTINGENCY (5%)					149
TOTAL CONTRACT COST					3,129
SUPERVISION, INSPECTION AND OVERHEAD (6%)					188
TOTAL REQUEST					3,317
TOTAL REQUEST (ROUNDED)					3,300
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, masonry wall structure with metal roof system providing classroom space, instructor space and other supporting space. Air Conditioning: 100 Tons.					
11. REQUIREMENT: 733,000 SF ADEQUATE: 616,400 SF SUBSTANDARD: 95,600 SF PROJECT: Construct 7-level training classrooms. (New Mission) REQUIREMENT: Provide facilities to implement formal advanced training to E-5s and E-6s in preparation for advancement to E-7 (7-Level Training). This requirement is an initiative resulting from CSAF's Year of Training objective to improve the quality of education for Air Force personnel by standardizing a coherent set of training concepts and procedures. This project will provide classrooms, instructor space, and other supporting space to conduct formal 7-level training in 24 different courses. This 7-level training will increase Sheppard AFB's average daily student load (ADSL) by 780 students; increase the number of students per year by almost 9000; and require an additional 105 instructors. CURRENT SITUATION: Formal training in preparation for E-7 level positions and responsibilities is not currently available for all E-6 and E-7 personnel in all career fields. Although some personnel have adequate training, many receive on-the-job training and individual coursework, which is not consistent or coordinated Air Force wide. The CSAF's Year of Training initiative is aimed at correcting this problem and making quality training available for all E-5 and E-6 personnel in all career fields. This initiative will formalize the training and help transition personnel from apprentice level to journeyman level responsibilities. Currently, there are no existing facilities available at Sheppard AFB to provide					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SHEPPARD AIR FORCE BASE, TEXAS		
4. PROJECT TITLE		5. PROJECT NUMBER
7-LEVEL TRAINING CLASSROOMS		VNVP943005
adequate classroom space for 7-level training courses. Sheppard is gaining a 2,640 ADSL from missions relocated by the closure of Lowry AFB, Chanute AFB, and over 100 ADSL from requirements driven by other Year of Training initiatives. As a result, all excess space has been utilized and there is no space available to implement the 7-level training requirement. <u>IMPACT IF NOT PROVIDED:</u> The 7-level training will not be able to be implemented at Sheppard AFB. This will prevent the Air Force from further consolidating education functions at the base, or achieving program objectives. Making these important improvements in the quality of training for E-5 and E-6 Air Force personnel will be impossible. <u>ADDITIONAL:</u> A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade, new construction, leasing) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SHEPPARD AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
7-LEVEL TRAINING CLASSROOMS	VNVP943005	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUN 09	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	15%	
(d) Date 35% Designed.	94 APR 01	
(e) Date Design Complete	94 SEP 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications	190	
(b) All Other Design Costs	90	
(c) Total	280	
(d) Contract	210	
(e) In-house	70	
(4) Construction Start	95 JAN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
FAIRCHILD AIR FORCE BASE, WASHINGTON				AIR COMBAT COMMAND				1.11			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		562	3570	495	140	372	22				5,161
b. End FY 1999		566	3423	541	116	80	1	1	1	15	4,744
7. INVENTORY DATA (\$000)											
a. Total Acreage: (6,060)											
b. Inventory Total As Of: (30 SEP 93) 313,123											
c. Authorization Not Yet In Inventory: 10,760											
d. Authorization Requested In This Program: 3,850											
e. Authorization Included In Following Program: (FY 1996) 35,450											
f. Planned In Next Three Program Years: 28,600											
g. Remaining Deficiency: 0											
h. Grand Total: 391,783											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START		CHPL	
442-257		HAZARDOUS MATERIAL STORAGE FACILITY		7,000 SF		1,400		JUL 93		AUG 94	
871-183		UPGRADE STORM DRAINAGE FACILITIES		LS		2,450		JUL 93		JUL 94	
TOTAL:						3,850					
9a. Future Projects: Included in the Following Program (FY 1996)											
121-122		HYDRANT FUELING SYSTEM		21 EA		17,000					
141-753		SQUADRON OPERATIONS FACILITY		40,860 SF		6,300					
141-753		SQUADRON OPERATIONS FACILITY		40,860 SF		6,100					
171-212		KC-135 FLIGHT SIMULATOR		21,500 SF		4,500					
411-135		IMPROVE UNDERGROUND FUEL STORAGE TANKS		LS		1,550					
TOTAL:						35,450					
9b. Future Projects: Typical Planned Next Three Years:											
131-111		COMMUNICATIONS FACILITY		18,000 SF		3,450					
136-664		UPGRADE RUNWAY LIGHTING SYSTEM		LS		4,000					
422-264		ALCM CONVENTIONAL MUNITIONS STORAGE IGLOOS		5 EA		6,000					
610-243		SURVIVAL TRAINING SUPPORT FACILITY		42,300 SF		5,000					
610-249		WING HEADQUARTERS		28,300 SF		5,400					
10. Mission or Major Functions: An Air Combat Command bomb wing which includes one B-52 squadron; two Air Mobility Command air refueling squadrons (KC-135 aircraft); an Air National Guard air refueling wing (KC-135 aircraft); and the Air Education and Training Survival Training School (UH-1 helicopters).											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										1,550	

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION FAIRCHILD AIR FORCE BASE, WASHINGTON			4. PROJECT TITLE HAZARDOUS MATERIAL STORAGE FACILITY		
5. PROGRAM ELEMENT 2.75.96C	6. CATEGORY CODE 442-257	7. PROJECT NUMBER GJKZ920016	8. PROJECT COST(\$000) 1,400		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
HAZARDOUS MATERIAL STORAGE FACILITY		SF	7,000	110	770
SUPPORTING FACILITIES					500
UTILITIES		LS			(205)
SECURITY LIGHTING		LS			(50)
SITE IMPROVEMENTS		LS			(40)
PAVEMENTS		LS			(60)
DOCK LEVELERS AND HOLDING TANKS		LS			(140)
DEMOLITION		SF	153	33	(5)
SUBTOTAL					1,270
CONTINGENCY (5%)					64
TOTAL CONTRACT COST					1,334
SUPERVISION, INSPECTION AND OVERHEAD (6%)					80
TOTAL REQUEST					1,414
TOTAL REQUEST (ROUNDED)					1,400
10. Description of Proposed Construction: Concrete foundation and floor slab, floor drains, CMU exterior walls, metal roof, fire walls separating flammable/combustible/acid storage compartments, noncombustible or fire resistant interior construction. Provide necessary environmental and safety features, dock levelers, holding tanks, roads, and parking. Includes demolition of one facility and all necessary support. <u>Air Conditioning: 5 Tons.</u> 11. REQUIREMENT: 7,000 SF ADEQUATE: 0 SUBSTANDARD: 4,654 SF <u>PROJECT:</u> Construct a hazardous material storage facility. (Current Mission) <u>REQUIREMENT:</u> A facility for storing hazardous and flammable materials is required in accordance with special requirements in DOD Manual 4145.19. The facility must include provisions for safe storage of compressed gas cylinders, acids, and other chemicals. The facility must be sited no closer than fifty feet to an occupied building, must have a separate spill containment system which isolates potential spills from the sanitary sewer system, and must provide adequate ventilation, explosion proof electrical service, and fire protection safeguards. <u>CURRENT SITUATION:</u> Hazardous material storage facilities are inadequate and do not comply with DOD criteria. Hazardous materials are presently stored in three separate facilities. One of these buildings is a wood frame structure which meets none of the prerequisites for the proper storage of combustible or acidic materials. Major areas of noncompliance with DOD storage criteria include siting within 50 feet of other structures; acids and flammables are stored in the same room; different classes of flammable materials are not properly separated (due to space limitations); access to stored materials is restricted (aisles are too					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
FAIRCHILD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE		5. PROJECT NUMBER
HAZARDOUS MATERIAL STORAGE FACILITY		GJKZ920016
small); walls are covered with exposed asbestos sheets; electric outlets and lights are not explosion proof; ventilation is inadequate; spill protection is inadequate, and floor drains are connected to the sanitary sewer system. This storage facility is adjacent to the base data automation unit and base personnel offices that serve an average of 2,000 people per day. The facility will be retained for storage of data automation supplies. Compressed gas and chlorine cylinders are currently stored in a vault from a demolished bank building which meets none of the criteria for hazardous storage. The facility does not have leak detectors and is located in the administrative center of the base. This 153 SF facility will be demolished upon completion of this project. The remaining storage location for cylinders and hazardous drums is in the main base supply warehouse. This space is adequate as warehouse space, but does not have the required separation, confinement and detection systems for storage of hazardous materials. This facility will be retained for normal warehouse needs. <u>IMPACT IF NOT PROVIDED:</u> The base will not have hazardous material storage facilities which meet DOD criteria. Inadequate and inherently unsafe storage practices will continue as no proper storage space is available. The potential for an accident or spill will remain. The potential for personal injury or harm to the environment is real. A spill of hazardous material which enters the sanitary sewer system could cause extensive and costly damage to the sewage treatment plant. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
FAIRCHILD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE	5. PROJECT NUMBER	
HAZARDOUS MATERIAL STORAGE FACILITY	GJKZ920016	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 JUL 12
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		60%
(d) Date 35% Designed.		93 AUG 06
(e) Date Design Complete		94 AUG 01
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		50
(b) All Other Design Costs		216
(c) Total		266
(d) Contract		200
(e) In-house		66
(4) Construction Start		
		95 MAR
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
FAIRCHILD AIR FORCE BASE, WASHINGTON			UPGRADE STORM DRAINAGE FACILITIES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.74.56C	871-183	GJKZ982500	2,450		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE STORM DRAINAGE FACILITIES		LS			350
SUPPORTING FACILITIES					1,750
OIL/WATER SEPARATOR UPGRADE		EA	40	12,500	(500)
CORRECT CROSS-CONNECTIONS		LS			(600)
POLLUTION CONTROL STRUCTURES		LS			(650)
SUBTOTAL					2,100
CONTINGENCY (10%)					210
TOTAL CONTRACT COST					2,310
SUPERVISION, INSPECTION AND OVERHEAD (6%)					139
TOTAL REQUEST					2,449
TOTAL REQUEST (ROUNDED)					2,450
10. Description of Proposed Construction: Upgrade the existing storm water detention basin, provide storm water control structures to channel and divert storm water to the detention basin. Correct sanitary and storm sewer cross-connections. Remove separators from the storm water system or connect separators to the sanitary sewer system.					
11. REQUIREMENT: As required. <u>PROJECT:</u> Upgrade storm drainage facilities. (Current Mission) <u>REQUIREMENT:</u> This is a Level II environmental compliance requirement. This project is required to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The storm water permit is scheduled to be issued in Jul 94. The base is required to be in compliance with their National Pollutant Discharge Elimination System (NPDES) permit by Oct 96. Corrective actions are required to eliminate sources of pollutants to the storm drain. Modification of the existing storm water basin will allow only storm water runoff to enter the basin and provide settlement time prior to discharge to off-base streams. The base is required to certify that non-storm water discharges are not connected to the storm drainage system. <u>CURRENT SITUATION:</u> Currently many of the industrial facilities on the base have oil/water separators discharging directly to the storm drainage system. Many of these separators are inadequate in sufficiently removing petroleum products. The existing storm water detention basin is not considered adequate for settlement of solids and has inadequate control structures to prevent pollutants from entering the basin. A significant amount of storm water flow leaving the base comes from the National Guard area and, at the present time, the storm water does not pass through the storm water detention basin. Diversion structures must be installed to					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
FAIRCHILD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE FACILITIES	GJKZ982500	
channel this storm water into the detention basin. Cross-connections exist between the sanitary and storm system which are not allowed by the NPDES permit. <u>IMPACT IF NOT PROVIDED:</u> Fairchild AFB will be out of compliance with their NPDES permit. The continuous violation of storm water regulations have the potential for fines up to \$25,000 per day per violation and could create adverse publicity. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements."		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
FAIRCHILD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE FACILITIES	GJKZ982500	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUL 12	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	60%	
(d) Date 35% Designed.	93 SEP 09	
(e) Date Design Complete	94 JUL 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)	
(a) Production of Plans and Specifications	100	
(b) All Other Design Costs	319	
(c) Total	419	
(d) Contract	350	
(e) In-house	69	
(4) Construction Start	95 MAR	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST		
F E WARREN AIR FORCE BASE, WYOMING				AIR FORCE				COST INDEX		
				SPACE COMMAND				1.02		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		559	3030	557						
b. End FY 1999		575	2898	541						
		TOTAL								
		4,146								
		4,014								
7. INVENTORY DATA (\$000)										
a. Total Acreage: (6,701)										
b. Inventory Total As Of: (30 SEP 93) 220,072										
c. Authorization Not Yet In Inventory: 10,750										
d. Authorization Requested In This Program: 2,650										
e. Authorization Included In Following Program: (FY 1996) 0										
f. Planned In Next Three Program Years: 6,000										
g. Remaining Deficiency: 0										
h. Grand Total: 239,472										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START	CMP	
411-134	UNDERGROUND FUEL STORAGE TANKS			100 EA		2,650		JUN 93	JUN 94	
	MISSILE FACILITIES									
TOTAL:						2,650				
9a. Future Projects: Included in the Following Program (FY 1996) NONE										
9b. Future Projects: Typical Planned Next Three Years:										
610-000	UPGRADE 5 HISTORIC FACILITIES			42,321 SF		2,500				
821-116	REPAIR CENTRAL HEAT PLANT			LS		3,500				
10. Mission or Major Functions: Headquarters Twentieth Air Force; an AFSPC missile wing consisting of one Peacekeeper and three Minuteman intercontinental ballistic missile squadrons which maintain a continuous alert posture (UH-1 helicopters).										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution: 0										
b. Water pollution: 0										
c. Occupational safety and health: 0										
d. Other Environmental: 0										

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
F E WARREN AIR FORCE BASE, WYOMING			UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
3.58.56	411-134	GHLN932500	2,650		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES	EA	100		2,000	
UNDERGROUND STORAGE TANKS	EA	50	32,000	(1,600)	
TANK REMOVAL/DISPOSAL	EA	50	8,000	(400)	
SUPPORTING FACILITIES				430	
UTILITIES	LS			(30)	
SITE IMPROVEMENTS	LS			(80)	
SOIL REMEDIATION	LS			(300)	
TEMPORARY FUEL/POWER	LS			(20)	
SUBTOTAL				2,430	
CONTINGENCY (10%)				243	
TOTAL CONTRACT COST				2,673	
TOTAL REQUEST				2,673	
TOTAL REQUEST (ROUNDED)				2,650	
10. Description of Proposed Construction: Remove and replace 50 underground storage tanks (UST) with 50 new USTs. Dispose of tank residue and test soil at each site. Replace tanks with new double-walled tanks and piping, interstitial leak monitoring, spill/overflow protection, and cathodic protection. Includes soil remediation, tank testing, site work, utilities and other necessary support.					
11. REQUIREMENT: As required.					
PROJECT: Remove and replace underground fuel storage tanks at missile facilities. (Current Mission)					
REQUIREMENT: This is a Level II environmental compliance requirement. All storage tanks which are regulated by 40 CFR 280 are required to be upgraded to new construction standards. The Environmental Protection Agency (EPA) has set standards that require all regulated tanks to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, Air Force policy is to replace them with aboveground tanks or to relocate them into underground vaults wherever possible. However, existing underground petroleum product storage tanks which are in good condition and may be upgraded in-place must be brought into compliance with applicable UST standards.					
CURRENT SITUATION: Underground storage tanks at F E Warren AFB missile facilities do not meet federal law (40 CFR 280.21) and state requirements for cathodic protection, leak detection monitoring and overflow/spill protection. These deficiencies must be corrected to prevent violation of federal UST regulations. Currently, 170 deeply buried USTs at missile launch and launch control facilities require upgrade or replacement to meet the 1998 federal deadline. This, the second of three projects, will					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
F E WARREN AIR FORCE BASE, WYOMING		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES	GHLN932500	
replace 50 USTs, each with a capacity of 14,500 gallons, at 50 launch facilities. <u>IMPACT IF NOT PROVIDED:</u> Failure to replace these tanks at F E Warren AFB will result in an unacceptable risk of pollution. Additionally, F E Warren AFB will not be in compliance with federal and state environmental requirements, thereby subjecting the base to enforcement action and potential fines up to \$25,000 per day per violation and could create adverse publicity. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, build new, and upgrade existing tanks) was done. It indicates there is only one option that will satisfy statutory requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Project has been considered for FY98 force structure end strength		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
F E WARREN AIR FORCE BASE, WYOMING		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES	GHLN932500	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUN 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	93 SEP 30	
(e) Date Design Complete	94 JUN 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	100	
(b) All Other Design Costs	78	
(c) Total	178	
(d) Contract	167	
(e) In-house	11	
(4) Construction Start		
	95 JAN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
LAJES FIELD, AZORES, PORTUGAL				AIR COMBAT COMMAND				1.04			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		117	1037	102			1	43	384	51	1,735
b. End FY 1999		112	982	100				43	384	51	1,672
7. INVENTORY DATA (\$000)											
a. Total Acreage: (1,192)											
b. Inventory Total As Of: (30 SEP 93) 165,578											
c. Authorization Not Yet In Inventory: 10,950											
d. Authorization Requested In This Program: 2,850											
e. Authorization Included In Following Program: (FY 1996) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 0											
h. Grand Total: 179,378											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY							COST	DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE					(\$000)	START	CMPL		
833-000	REFUSE INCINERATOR	LS					2,850	AUG 93	AUG 94		
TOTAL:							2,850				
9a. Future Projects: Included in the Following Program (FY 1996) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: Headquarters US Forces Azores and an airlift support wing which provides enroute support to US aircraft. Major tenants include a US Naval security group activity and a US Army transportation terminal unit.											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution: 1,500											
b. Water pollution: 3,500											
c. Occupational safety and health: 2,000											
d. Other Environmental: 5,500											

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
LAJES FIELD, AZORES, PORTUGAL			REFUSE INCINERATOR		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.18.56	833-000	MONA953003	2,850		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REFUSE INCINERATOR		LS			2,200
SOLID WASTE DISPOSAL FACILITY		SP	20,000	95	(1,900)
INCINERATOR EQUIPMENT		EA	6	50,000	(300)
SUPPORTING FACILITIES					330
UTILITIES		LS			(115)
PAVEMENTS		SY	3,150	35	(110)
SITE IMPROVEMENTS		LS			(105)
SUBTOTAL					2,530
CONTINGENCY (5%)					127
TOTAL CONTRACT COST					2,657
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					173
TOTAL REQUEST					2,830
TOTAL REQUEST (ROUNDED)					2,850
10. Description of Proposed Construction: Refuse incinerator plant, containment area for refuse separation, storage and necessary support.					
11. REQUIREMENT: 20,000 LS ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Construct a refuse incinerator. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. It is required by Executive Order 12088 and DoD Directive 6050.16, which call for overseas installations to comply with host nation law or the Overseas Environmental Baseline Guidance (OEBGD)/Final Governing Standards (FGS), whichever is more stringent. This project corrects violations of Portuguese Decree Law 90/71, Article 1. Additionally, this project will correct violations of the following United States regulations: 40 CFR 50, National Primary and Secondary Ambient Air Quality; 40 CFR 220, Ocean Dumping, General; 40 CFR 240, Guidelines for Thermal Processing Solid Wastes; 40 CFR 241, Guidelines for Land Disposal of Solid Wastes; and 40 CFR 257, Criteria for Classification of Solid Waste Disposal Facilities and Practices. An adequately sized refuse incinerator is required to dispose of 960 tons of solid waste/month. This facility must be capable of processing all burnable waste and contaminated fuel at Lajes Field. Facility must meet all Portuguese and United States Environmental Laws. CURRENT SITUATION: Current disposal operations consist of burning solid wastes in an open dump with the residue then being dumped into the ocean. The Portuguese Government has notified Lajes Field on two separate occasions to cease violating Portuguese Decree Law 90/71, Article 1. These violations continue to cause political tensions with the local communities and the Portuguese Government. Smoke from the trash fires and the refuse washing up onshore pose serious health hazards. OTHER OPTIONS					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
LAJES FIELD, AZORES, PORTUGAL		
4. PROJECT TITLE		5. PROJECT NUMBER
REFUSE INCINERATOR		MQNA953003
CONSIDERED: The use of the existing Angra landfill and a joint project with the city of Praia to develop a new landfill. Both were rejected because of possible ground water contamination. <u>IMPACT IF NOT PROVIDED:</u> If disposal operations are not brought into compliance with the existing Portuguese and United States environmental laws, this base will continue to pollute the environment. The base could be subject to fines and adverse publicity. Subsequent legal action could result in site closure. <u>ADDITIONAL:</u> This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event criteria changes for facilities of this type. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that satisfies regulatory requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
LAJES FIELD, AZORES, PORTUGAL		
4. PROJECT TITLE	5. PROJECT NUMBER	
REFUSE INCINERATOR	MQNA953003	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 AUG 01
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		93 NOV 15
(e) Date Design Complete		94 AUG 15
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		159
(b) All Other Design Costs		256
(c) Total		415
(d) Contract		375
(e) In-house		40
(4) Construction Start		95 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION CLASSIFIED LOCATIONS (INSIDE AND OUTSIDE THE UNITED STATES)				4. COMMAND				5. AREA CONST COST INDEX 0.00		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 92										
b. End FY 1998										
7. INVENTORY DATA (\$000)										
a. Total Acreage: (0)										
b. Inventory Total As Of: (30 SEP 92) 0										
c. Authorization Not Yet In Inventory: 0										
d. Authorization Requested In This Program: 6,191										
e. Authorization Included In Following Program: (FY 1996) 4,176										
f. Planned In Next Three Program Years: 59,226										
g. Remaining Deficiency: 0										
h. Grand Total: 69,593										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS START Cmpl		
100-000	SPECIAL TACTICAL UNIT			LS		2,141				
	DETACHMENT FACILITY									
217-742	WAR READINESS MATERIEL			10,000 SF		1,300		MAY 92 MAY 94		
	MAINTENANCE/MANAGEMENT FAC									
442-515	WAR READINESS MATERIEL MEDICAL			18,000 SF		2,100		MAY 92 MAY 94		
	STORAGE FACILITY									
452-252	WAR READINESS MATERIEL OPEN			62,000 SF		650		MAY 92 MAY 94		
	STORAGE FACILITY									
TOTAL:						6,191				
9a. Future Projects: Included in the Following Program (FY 1996)										
100-000	HAVE STARE RADAR BEDDOWN			LS		1,000				
100-000	SPECIAL TACTICAL UNIT			LS		3,176				
	DETACHMENT FACILITY									
TOTAL:						4,176				
9b. Future Projects: Typical Planned Next Three Years:										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution: 0										
b. Water pollution: 0										
c. Occupational safety and health: 0										
d. Other Environmental: 0										

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
CLASSIFIED LOCATION			WAR READINESS MATERIEL MAINTENANCE/MANAGEMENT FAC		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.80.31	217-742	HTAC943048	1,300		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
WAR READINESS MATERIEL					
MAINTENANCE/MANAGEMENT FAC	SF	10,000	94	940	
SUPPORTING FACILITIES				220	
UTILITIES	LS			(120)	
PAVEMENTS	LS			(60)	
SITE IMPROVEMENTS	LS			(40)	
SUBTOTAL				1,160	
CONTINGENCY (5%)				58	
TOTAL CONTRACT COST				1,218	
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				79	
TOTAL REQUEST				1,297	
TOTAL REQUEST (ROUNDED)				1,300	
10. Description of Proposed Construction: Construct a pre-engineered metal and masonry building with environmental control systems, restrooms, administrative and shop spaces, required utilities and supporting facilities, including pavements and site improvements. Air Conditioning: 20 Tons.					
11. REQUIREMENT: 10,000 SF ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Construct a war readiness materiel (WRM) maintenance shop and management facility. (New Mission) REQUIREMENT: A maintenance shop and management space are required for necessary maintenance, servicing and controlling the large variety of prepositioned WRM assets. These assets must be ready for use by US Central Command forces. This project supports USCENTCOM/host nation agreements. CURRENT SITUATION: Other facilities in the host country are unavailable to properly maintain, service and account for the stored WRM assets. WRM assets moved into the region during Operation DESERT SHIELD/DESERT STORM must either be stored, maintained and managed in country or returned to the CONUS for necessary maintenance and servicing. CONUS storage and servicing, and roundtrip transportation will exceed storage and servicing cost in the host country. The round trip transportation cost to move equipment and material between the United States and the Southwest Asia region is nearly \$2.0 million. The prepositioned equipment must be properly maintained, serviced and accounted for to ensure its readiness capability. IMPACT IF NOT PROVIDED: Adequate facilities will not be available for servicing and controlling the stored assets required to support US Central Command contingency operations in the Persian Gulf area. Without adequate					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CLASSIFIED LOCATION		
4. PROJECT TITLE	5. PROJECT NUMBER	
WAR READINESS MATERIEL MAINTENANCE/MANAGEMENT FAC	HTAC943048	
maintenance facilities, material and equipment will deteriorate to unacceptable conditions or they must be returned to the CONUS at greater cost than having them adequately maintained in their prepositioned location. Materials and equipment required for contingency situations must be moved back to the operational area. This increases transportation demands and slows mobility time which impedes US capability to successfully execute contingency plans and protect national interests. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CLASSIFIED LOCATION		
4. PROJECT TITLE	5. PROJECT NUMBER	
WAR READINESS MATERIEL MAINTENANCE/MANAGEMENT FAC	HTAC943048	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	92 MAY 25	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1994	60%	
(d) Date 35% Designed.	93 FEB 30	
(e) Date Design Complete	94 MAY 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	78	
(b) All Other Design Costs	172	
(c) Total	250	
(d) Contract		
(e) In-house	250	
(4) Construction Start	95 JAN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
CLASSIFIED LOCATION			WAR READINESS MATERIEL MEDICAL STORAGE FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.80.31	442-515	HTAC943046	2,100		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
WAR READINESS MATERIEL MEDICAL STORAGE FACILITY		SF	18,000	93	1,674
SUPPORTING FACILITIES					195
UTILITIES		LS			(115)
PAVEMENTS		LS			(45)
SITE IMPROVEMENTS		LS			(35)
SUBTOTAL					1,869
CONTINGENCY (5%)					93
TOTAL CONTRACT COST					1,962
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					128
TOTAL REQUEST					2,090
TOTAL REQUEST (ROUNDED)					2,100
10. Description of Proposed Construction: Construct a pre-engineered metal and masonry building with environmental control system, utility systems, and supporting facilities, including pavements and site improvements. Air Conditioning: 50 Tons.					
11. REQUIREMENT: 18,000 SF ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Construct a war readiness materiel (WRM) medical storage warehouse. (New Mission) <u>REQUIREMENT</u> : Medical storage facilities are required for prepositioning and long-term storage of WRM medical assets which must be kept in a secure, temperature and humidity controlled environment. These assets must be ready for use by US Central Command forces. This project supports USCENCOM/host nation agreements. <u>CURRENT SITUATION</u> : Other facilities in the host country are unavailable for WRM storage requirements. WRM assets moved into the region during Operation DESERT SHIELD/DESERT STORM must either be stored in country or returned to the CONUS. Host nation storage costs and CONUS storage costs are equal. The round trip transportation cost to move this equipment between the United States and the Southwest Asia region is \$2.0 million. The prepositioned equipment, currently exposed to the elements, is valued at \$7.5 million. Under present conditions, replacement of deteriorating equipment will cost nearly \$1 million per year. <u>IMPACT IF NOT PROVIDED</u> : Adequate facilities will not be available for storage of assets required to support US Central Command contingency operations in the Persian Gulf area. Without adequate storage facilities, material and equipment will deteriorate to unacceptable conditions or they must be returned to the CONUS at greater cost than having them adequately					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CLASSIFIED LOCATION		
4. PROJECT TITLE		5. PROJECT NUMBER
WAR READINESS MATERIEL MEDICAL STORAGE FACILITY		HTAC943046
prepositioned. Materials and equipment stored in the US required for contingency situations must be moved back to the operational area. This increases transportation demands and slows mobility time which greatly impedes US capability to successfully execute contingency plans and protect national interests. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CLASSIFIED LOCATION		
4. PROJECT TITLE	5. PROJECT NUMBER	
WAR READINESS MATERIEL MEDICAL STORAGE FACILITY	HTAC943046	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		92 MAY 25
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1994		60%
(d) Date 35% Designed.		93 FEB 30
(e) Date Design Complete		94 MAY 15
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		126
(b) All Other Design Costs		153
(c) Total		279
(d) Contract		
(e) In-house		279
(4) Construction Start 95 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST		
RAMSTEIN AIR BASE, GERMANY				UNITED STATES AIR FORCES IN EUROPE				COST INDEX 1.54		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		1256	6004	826						
b. End FY 1999		1106	5934	776						
7. INVENTORY DATA (\$000)										
a. Total Acreage: (3,102)										
b. Inventory Total As Of: (30 SEP 93) 251,034										
c. Authorization Not Yet In Inventory: 3,150										
d. Authorization Requested In This Program: 12,350										
e. Authorization Included In Following Program: (FY 1996) 0										
f. Planned In Next Three Program Years: 6,100										
g. Remaining Deficiency: 0										
h. Grand Total: 272,634										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START CMPL		
442-257		HAZARDOUS MATERIAL STORAGE		6,500 SF		1,150		SEP 86 JUL 94		
		FACILITY								
831-165		UPGRADE SEWAGE AND STORM WATER		LS		11,200		JUL 87 SEP 94		
		COLLECTION SYSTEMS								
TOTAL: 12,350										
9a. Future Projects: Included in the Following Program (FY 1996) NONE										
9b. Future Projects: Typical Planned Next Three Years:										
130-142		FIRE STATION (VOG)		5,520 SF		900				
740-674				54,000 SF		5,200				
10. Mission or Major Functions: Headquarters United States Air Forces in Europe; an airlift squadron (C-12, C-20, C-21, and T-43 aircraft, and UH-1 helicopters), an aeromedical airlift squadron (C-9 aircraft); a tactical intelligence wing; NATO's Headquarters AIRCENT; an Air Intelligence Agency intelligence wing; a support wing; and an Air Mobility Command airlift support group.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:		0								
b. Water pollution:		0								
c. Occupational safety and health:		0								
d. Other Environmental:		0								

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		4. PROJECT TITLE HAZARDOUS MATERIAL STORAGE FACILITY		
5. PROGRAM ELEMENT 2.74.56U	6. CATEGORY CODE 442-257	7. PROJECT NUMBER TYFR879008	8. PROJECT COST(\$000) 1,150	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
HAZARDOUS MATERIAL STORAGE FACILITY	SF	6,500	135	878
SUPPORTING FACILITIES				150
UTILITIES	LS			(65)
SITE IMPROVEMENTS	LS			(25)
PAVEMENTS	LS			(45)
DEMOLITION/ASBESTOS REMOVAL	SF	3,250	5	(15)
SUBTOTAL				1,028
CONTINGENCY (5%)				51
TOTAL CONTRACT COST				1,079
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				70
TOTAL REQUEST				1,149
TOTAL REQUEST (ROUNDED)				1,150
10. Description of Proposed Construction: Reinforced concrete foundation and impermeable sealed slab, concrete spill containment curb, structural frame, walls and roof system. Includes drains for wash down of flammable and hazardous materials leading to oil/water separators and containment basins, special ventilation, explosion proof electrical systems, restrooms and utility room. Includes utilities and fire protection.				
11. REQUIREMENT: As required.				
PROJECT: Construct a hazardous material storage facility. (Current Mission)				
REQUIREMENT: This is a Level I environmental compliance requirement. It is required by Executive Order 12088 and DoD Directive 6050.16, which calls for overseas installations to comply with host nation law or the Overseas Environmental Baseline Guidance Document (OEBGD)/Final Governing Standard (FGS), whichever is more stringent. According to German Water Economy Law, hazardous materials must be stored using the same precautions used for storing hazardous waste. The facility must be of adequate size and configuration with proper environmental controls, necessary fire protection, and spill containment systems. Warehouse space is required to store hazardous paints, thinners, acids, solvents, gas cylinders, various greases and oils, and a variety of class I and II flammable items.				
CURRENT SITUATION: The existing facility is in violation of German Economy Law, Wasserhaushaltsgesetz, 23 Sep 86, article 19i, and the technical guidelines for handling and storage of water endangering liquids (TBRF 3 Sep 1984). On a site visit from the Water Rights Commission in Oct 1988, all facilities storing water endangering liquids were inspected. In the deficiency report, it was noted that all facilities were not in compliance with the water protection laws and an immediate upgrade was				

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE	5. PROJECT NUMBER	
HAZARDOUS MATERIAL STORAGE FACILITY	TYFR879008	
requested. This is a notice of violation equivalent. The storage areas do not provide a collection tank to avoid environmental pollution, there are no curbs for containing spilled acids, the ceiling consists of plywood, electrical fixtures are not explosion proof, and the floors are not monolithic or epoxy coated. The facility also has a Fire Safety Deficiency (FSD) code of II. Ventilation and fire suppression systems do not exist in the current facility. The facility is also inadequate in size and configuration. This space is now provisionally heated with a temporary heat unit to avoid freezing large quantities of hazardous materials when temperatures fall below 15 degrees Fahrenheit. Supplies, valued between \$10,000 and \$12,000, have been lost each winter. Due to the lack of space, corrosive items are stored in an open shed, exposed to freezing temperatures, heat and humidity. These extreme conditions have required the expenditure of \$5,000 or more in order to provide for overpacking containers and materials. One facility will be demolished as a result of this project. <u>IMPACT IF NOT PROVIDED:</u> Ramstein will continue to be in noncompliance with host nation law which requires the storage of hazardous materials the same as hazardous waste. The materials will continue to be improperly stored in a substandard and undersized facility and in open-air sheds resulting in safety hazards to base personnel and posing potential environmental hazards. A fire hazard will continue to exist and unprotected items will be destroyed by inclement weather resulting in significant monetary losses in materials and supplies. <u>ADDITIONAL:</u> This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event that criteria changes for facilities of this type. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE HAZARDOUS MATERIAL STORAGE FACILITY		5. PROJECT NUMBER TYFR879008
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		86 SEP 01
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1994		45%
(d) Date 35% Designed.		90 JAN 18
(e) Date Design Complete		94 JUL 15
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		69
(b) All Other Design Costs		
(c) Total		69
(d) Contract		29
(e) In-house		40
(4) Construction Start 94 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY			4. PROJECT TITLE UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS		
5. PROGRAM ELEMENT 2.74.56U	6. CATEGORY CODE 831-165	7. PROJECT NUMBER TYFR943044	8. PROJECT COST(\$000) 11,200		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS		LS			8,676
SEWER AND STORM DRAINAGE LINES		LF	72,000	91	(6,552)
SYSTEM APPURTENANCES		LS			(2,124)
SUPPORTING FACILITIES					890
UTILITIES		LS			(345)
PAVEMENTS		LS			(345)
SITE IMPROVEMENTS		LS			(100)
SOIL REMEDIATION		LS			(100)
SUBTOTAL					9,566
CONTINGENCY (10%)					957
TOTAL CONTRACT COST					10,523
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					684
TOTAL REQUEST					11,207
TOTAL REQUEST (ROUNDED)					11,200
10. Description of Proposed Construction: Replace the dual use concrete piping system with two systems to separate the storm drainage system from the sanitary sewer system. Construct retaining/overflow basins, pump stations and oil/water separators. Project includes soil remediation, excavation, and removal and replacement of existing paved surfaces.					
11. REQUIREMENT: 72,000 LF ADEQUATE: 0 SUBSTANDARD: 46,000 LF PROJECT: Upgrade sewage and storm water collection systems. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. It is required by Executive Order 12088 and DoD Directive 6050.16, which call for overseas installations to comply with host nation law or the Overseas Environmental Baseline Guidance Document (OEBGD)/Final Governing Standard (FGS), whichever is more stringent. The OEBGD is more stringent. The average Biochemical Oxygen Demand (BOD) of the Ramstein effluent (82 mg/L) exceeds both host nation (60 mg/L) and OEBGD (30 mg/L) criteria. This project represents the US portion of a joint US, NATO and Federal Republic of Germany (FRG) effort. The US portion separates the storm water and sanitary sewage collection systems; repairs damaged sanitary sewer pipes; and provides storm water collection pipelines, overflow basins and retention areas which corrects the majority of the sewage flow problem. The \$36.6 million NATO portion does similar work to correct the airfield surface runoff problem and the \$9.9 million FRG portion ties the base to the local community's sewage system. CURRENT SITUATION: The combined sewage collection system is 40-years-old, undersized, deteriorated, and has inadequate surface drainage. These conditions have led to significant contamination of the soil in certain areas of the base, including chlorinated hydrocarbons. When it rains,					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS	TYFR943044	
storm water fills the sanitary sewage collection system through infiltration and broken pipes creating a backflow condition that hinders the flow of raw sewage to the treatment plant. Excess storm water runs uncontrolled across the base and drains into and contaminates four local streams (Hundsbach, Flossbach, Hembach and Morbach). It is a health hazard to the local residents. The continuous run-off into these streams also causes flooding of low-lying runway and taxiway areas. <u>IMPACT IF NOT PROVIDED:</u> This system will remain out of compliance with the OEBGD/FGS and host nation law. Effluent from the base will continue to violate standards established under the FRG's federal wastewater quality law (1990 Federal Law Journal, Number 61, Part 1, revised on 6 Nov 90), their water management law (1990 Federal Law Journal, Part 1, revised 12 Feb 90), and the OEBGD/FGS. <u>ADDITIONAL:</u> The area serviced by this US project is not eligible for NATO funding. It does represent the US portion of a joint US, NATO and Host Nation effort. NATO is committed to funding their portion of the effort (Decision Sheet 1699). FRG funding for their portion is approved. A preliminary analysis of reasonable options for accomplishing this project(status quo, upgrade/removal, new construction) was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS	TYFR943044	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	87 JUL 10	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1994	70%	
(d) Date 35% Designed.	91 FEB 15	
(e) Date Design Complete	94 SEP 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	672	
(b) All Other Design Costs	392	
(c) Total	1064	
(d) Contract	564	
(e) In-house	500	
(4) Construction Start	95 JAN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX		
SPANGDAHLEM AIR BASE, GERMANY				UNITED STATES AIR FORCES IN EUROPE				1.54		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		285	3056	131				2	3	
b. End FY 1999		328	3926	186						
7. INVENTORY DATA (\$000)										
a. Total Acreage: (1,365)										
b. Inventory Total As Of: (30 SEP 93) 120,691										
c. Authorization Not Yet In Inventory: 1,920										
d. Authorization Requested In This Program: 9,473										
e. Authorization Included In Following Program: (FY 1996) 8,100										
f. Planned In Next Three Program Years: 24,000										
g. Remaining Deficiency: 0										
h. Grand Total: 164,184										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START CMPL		
740-884		CHILD DEVELOPMENT CENTER		9,300 SF		2,273		JUN 93 AUG 94		
831-165		UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS		LS		7,200		OCT 89 DEC 93		
TOTAL:						9,473				
9a. Future Projects: Included in the Following Program (FY 1996)										
721-312		RENOVATE DORMITORY		96 PN		2,350				
721-312		RENOVATE DORMITORY		96 PN		2,350				
842-245		ADD TO AND ALTER WATER STORAGE AND DISTRIBUTION SYSTEM		LS		3,400				
TOTAL:						8,100				
9b. Future Projects: Typical Planned Next Three Years:										
141-753		ADD TO AND ALTER SQUADRON OPERATIONS FACILITY		14,400 SF		2,500				
141-783		MOBILITY PROCESSING TERMINAL		21,000 SF		3,250				
442-758		AIRCRAFT PARTS STORAGE FACILITY		60,000 SF		6,400				
721-312		RENOVATE DORMITORY		96 PN		2,350				
721-312		RENOVATE DORMITORY		21,000 SF		2,350				
10. Mission or Major Functions: A fighter wing with three F-16 squadrons and one squadron with A-10 and OA-10 aircraft.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:		0								
b. Water pollution:		0								
c. Occupational safety and health:		0								
d. Other Environmental:		0								

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
SPANGDAHLEM AIR BASE, GERMANY			CHILD DEVELOPMENT CENTER		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.75.96U	740-884	VYHK930709	2,273		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
CHILD DEVELOPMENT CENTER	SF	9,300	170	1,581	
SUPPORTING FACILITIES				430	
SITE PREPARATION	LS			(85)	
UTILITIES	LS			(45)	
PAVEMENTS	LS			(300)	
SUBTOTAL				2,011	
CONTINGENCY (5%)				101	
TOTAL CONTRACT COST				2,112	
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				137	
TOTAL REQUEST				2,249	
TOTAL REQUEST (ROUNDED)				2,273	
10. Description of Proposed Construction: Reinforced concrete foundation, floor slab, and masonry unit walls with brick exterior finish to match existing facility decor. Supporting electrical, plumbing, mechanical, site preparation, parking, road, utilities, and fire protection.					
11. REQUIREMENT: 29,950 SF ADEQUATE: 7,600 SF SUBSTANDARD: 6,785 SF <u>PROJECT:</u> Construct a child development center. (Current Mission) <u>REQUIREMENT:</u> A properly sized child development center is required to provide supervised care and a developmental experience for dependent children aged six weeks through twelve years. This facility will provide for children up to age six--the most critical shortfall at Spangdahlem. The facility must provide a comfortable, clean educational environment where military service members and DoD civilians can leave their children on an hourly, daily, or drop-in basis without worrying about the level or nature of care. With service members on call for duty continuously, varied shifts and flex-time, it is imperative that they have reliable child care available. <u>CURRENT SITUATION:</u> Average daily attendance is 218 children, while an additional 176 children are on a waiting list. The current child development center is filled to maximum capacity of 80 children and rooms are being used in four different base housing (apartment) basements for 24 Kindergarten and 114 preschool aged children. Child care requirements cannot be met adequately through the use of housing basements. Children attending preschool must be shuffled back and forth on foot for meals and other special activities. Generally, parents object to the exposure of their children to inclement weather and traffic hazards, and feel their children do not receive the full benefit of the developmental programs					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SPANGDAHLEM AIR BASE, GERMANY		
4. PROJECT TITLE		5. PROJECT NUMBER
CHILD DEVELOPMENT CENTER		VYHK930709
offered because of the separation. Because the existing facilities are full, drop-ins are now on a reservation basis, sometimes two weeks in advance. Also, this situation cannot support additional children or changes in the mandated DoD instructor to child ratios. The people on the waiting list currently rely on the local communities for their child care, which is generally unlicensed and more expensive. Financial hardship and scheduling difficulties are common, since local off-base care providers' hours may not be consistent with shift or long working hours. <u>IMPACT IF NOT PROVIDED:</u> Without adequate child care for the dependents of active duty military and DoD civilians at Spangdahlem, morale and readiness will decline. Parents that have the extra burden of worrying about the care of their children simply will not operate as effectively as those who know their families are well cared for. Families will continue to be forced to use expensive child care programs or place children in unlicensed care in the local communities. <u>ADDITIONAL:</u> This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event that the criteria changes for facilities of this type. An economic analysis has been prepared comparing alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost-effective over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SPANGDAHLEM AIR BASE, GERMANY		
4. PROJECT TITLE	5. PROJECT NUMBER	
CHILD DEVELOPMENT CENTER	VYHK930709	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 JUN 04
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		94 JAN 15
(e) Date Design Complete		94 AUG 01
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		RAMSTEIN
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		136
(b) All Other Design Costs		
(c) Total		136
(d) Contract		100
(e) In-house		36
(4) Construction Start		
		95 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
SPANGDAHLEM AIR BASE, GERMANY			UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.74.56U	831-165	VYHK903004	7,200		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS	LS			5,300	
SEWER AND STORM DRAINAGE LINES	LF	50,000	90	(4,500)	
SYSTEM APPURTENANCES	LS			(800)	
SUPPORTING FACILITIES				810	
UTILITIES	LS			(150)	
PAVEMENTS	LS			(160)	
SITE IMPROVEMENTS	LS			(200)	
SOIL REMEDIATION	LS			(300)	
SUBTOTAL				6,110	
CONTINGENCY (10%)				611	
TOTAL CONTRACT COST				6,721	
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				437	
TOTAL REQUEST				7,158	
TOTAL REQUEST (ROUNDED)				7,200	
10. Description of Proposed Construction: Alter, enlarge, and upgrade storm system. Install separate sanitary sewage collection system. Separate combined storm/sewer system in industrial areas. Construct storm-water collection basin. Install metering manholes at wastewater treatment plant. Project includes trenching, backfill, seeding, street repairs, soil remediation, all utility connections and necessary support.					
11. REQUIREMENT: 55,000 LF ADEQUATE: 5,000 LF SUBSTANDARD: 50,000 LF PROJECT: Upgrade sewage and storm water collection systems. (Current Mission) <u>REQUIREMENT:</u> This is a Level I environmental compliance requirement. It is required by Executive Order 12088 and DoD Directive 6050.16, which call for overseas installations to comply with host nation law or the Overseas Environmental Baseline Guidance Document (OEBGD)/Final Governing Standards (FGS), whichever is more stringent. The host nation wastewater quality law (Abwasserabgabengesetz-AbwAG) and water management law (Wasserhaushaltsgesetz-WHG) are more stringent and require that no effluent be allowed to flow untreated into surface water. This project represents the US share of a \$30.5 million joint NATO, Federal Republic of Germany (FRG), and US program to correct deficiencies in the storm water and sanitary sewage collection and treatment system at Spangdahlem Air Base. The US, stand alone portion, separates the storm water and sanitary sewage collection systems; it will reduce the load at the existing treatment plant and eliminate the bypassing of raw sewage directly into a local stream during heavy rainfall. <u>CURRENT SITUATION:</u> Excess load caused by storm run-off and pipe infiltration causes the system to overflow and bypass the wastewater treatment plant, spilling untreated raw sewage directly into the Kyll					

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY		
4. PROJECT TITLE UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS	5. PROJECT NUMBER VYHK903004	
River and irrigation systems of neighboring communities. These incidents cause contamination of the river resulting in violation of host nation law. Additionally, it is a health hazard to the local residents. The existing sanitary/storm sewage system is a combined system designed for loads up to 400,000 gallons per day (GPD), and is over 40 years old. Recent study showed that the system handles 390,000 GPD on a normal "dry day" and up to 1,500,000 GPD whenever the base experiences measurable rainfall (typically two to three times per week during the rainy season between April and October). On average, the plant operates in the bypass mode 4 hours per day. <u>IMPACT IF NOT PROVIDED:</u> The existing sewage collection system will remain out of compliance with both the OEBGD/FGS and host nation law. When it rains, raw sewage will continue to bypass the sewage treatment plant and flow untreated into the Kyll River and irrigation systems for fields surrounding the local community in violation of FRG environmental law. <u>ADDITIONAL:</u> The area serviced by this US project is not eligible for NATO funding. It does represent the US portion of a joint US, NATO and FRG effort. The US portion is a stand alone project and is not contingent upon the NATO and FRG funding. The FRG portion of this effort has been approved for funding. A preliminary analysis of reasonable options for accomplishing this project (status quo, upgrade/removal, new construction) was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SPANGDAHLEM AIR BASE, GERMANY		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS	VYHK903004	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	89 OCT 13	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1994	100%	
(d) Date 35% Designed.	92 JUN 09	
(e) Date Design Complete	93 DEC 20	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	274	
(b) All Other Design Costs		
(c) Total	274	
(d) Contract	217	
(e) In-house	57	
(4) Construction Start	94 DEC	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST		
THULE AIR BASE, GREENLAND				AIR FORCE				COST INDEX		
				SPACE COMMAND				2.48		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		20	109	3						
b. End FY 1999		20	109	4						
7. INVENTORY DATA (\$000)										
a. Total Acreage: (234,022)										
b. Inventory Total As Of: (30 SEP 93) 399,020										
c. Authorization Not Yet In Inventory: 12,700										
d. Authorization Requested In This Program: 2,450										
e. Authorization Included In Following Program: (FY 1996) 7,600										
f. Planned In Next Three Program Years: 13,900										
g. Remaining Deficiency: 0										
h. Grand Total: 435,670										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START	CMPL	
179-511	FIRE TRAINING FACILITY				LS	2,450		SEP 93	JUL 94	
						TOTAL:	2,450			
9a. Future Projects: Included in the Following Program (FY 1996)										
721-312	ALTER DORMITORY				27,120 SF	7,600				
						TOTAL:	7,600			
9b. Future Projects: Typical Planned Next Three Years:										
721-315	DORMITORY				150 PN	8,600				
833-354	SOLID WASTE DISPOSAL FACILITY				12,000 SF	5,300				
10. Mission or Major Functions: A space warning squadron and a satellite tracking detachment.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution: 0										
b. Water pollution: 5,300										
c. Occupational safety and health: 0										
d. Other Environmental: 0										

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
THULE AIR BASE, GREENLAND			FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
3.58.56	179-511	WWCX953003	2,450		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE TRAINING FACILITY		LS			1,800
SUPPORTING FACILITIES					405
UTILITIES		LS			(150)
FUEL STORAGE TANK		LS			(75)
SITE PREPARATION		LS			(75)
SPECIAL SLAB INSULATION		LS			(105)
SUBTOTAL					2,205
CONTINGENCY (5%)					110
TOTAL CONTRACT COST					2,315
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					150
TOTAL REQUEST					2,465
TOTAL REQUEST (ROUNDED)					2,450
10. Description of Proposed Construction: Fire Training Facility (FTF) to include a 100 ft. dia. lined, environmentally acceptable, training pit with a large frame aircraft simulator; 1000 gal. tank (for LPG); 500 gal. tank (for JP-4); a fuel/water separator; a line effluent holding pond; and fuel and water pumps & piping systems. Includes concrete slab with <u>special high heat resistance and reinforcing to meet arctic requirements.</u>					
11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. Live fire training is a quarterly requirement established by the FAA to maintain a high level of proficiency for fire fighters. In order to meet the quarterly training requirement, a fire training facility which meets the standards governing environmental protection at US installations is needed. To comply with the "Final Governing Standards" applicable to DoD installations in Greenland, an impermeable liner below the burn area, an oil/water separator, and a nondischarging effluent holding pond to prevent soil and groundwater contamination is required. In addition, a specially insulated pit is needed to preclude any melting of the permafrost which, in turn, will insure there is no settling of the pit. CURRENT SITUATION: The condition of the existing fire training facility is inadequate, and the proficiency of our personnel in aircraft crash fire fighting is being diminished. The fire training operations, using the existing aircraft mock-up, are contaminating the surrounding soil. Contamination has been contained within a relatively small area due to the permafrost; however, continued use of the existing live-fire training facility violates the standards governing environmental protection for US installations in Greenland. In addition, there is no oil/water separator					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
THULE AIR BASE, GREENLAND		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE TRAINING FACILITY	WWCX953003	
to separate water mixed with foaming agents and unburned fuels. The existing structure does not meet Air Force standards for live-fire training with the aircraft mock-up. Thule has a variety of aircraft, ranging from military fighters (training) to large transport (resupply) and numerous commercial aircraft (primarily Danish). During the 9-month-long winter season, air traffic provides the only area access in or out, and fire training of aircraft crash and rescue personnel is essential. <u>IMPACT IF NOT PROVIDED:</u> The required live-fire training for the assigned fire fighters would continue to be inadequate; and the proficiency of our personnel in aircraft crash fire fighting would continue to diminish. Without the stress and realism which come only with live fires, the fire fighters lose proficiency in combating fires, and the potential for loss of life and aircraft is increased. Fire training operations using the existing aircraft mock-up would continue to contaminate the surrounding soil. The facility would continue to be out of compliance with the standards governing environmental protection at US installations in Greenland. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide", or AFM 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet mission requirements; therefore, no economic analysis was needed or performed. A Certificate of Exception to Economic Analysis has been prepared. Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
THULE AIR BASE, GREENLAND		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE TRAINING FACILITY	WWCX953003	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 SEP 09
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		45%
(d) Date 35% Designed.		93 DEC 30
(e) Date Design Complete		94 JUL 30
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		TYNDALL
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		130
(b) All Other Design Costs		174
(c) Total		304
(d) Contract		234
(e) In-house		70
(4) Construction Start		
		94 OCT
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM				UNITED STATES AIR FORCES IN EUROPE				COST INDEX 1.40			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		462	2894	205				1	5		3,567
b. End FY 1999		501	3872	225				2	7		4,607
7. INVENTORY DATA (\$000)											
a. Total Acreage: (2,340)											
b. Inventory Total As Of: (30 SEP 93) 160,084											
c. Authorization Not Yet In Inventory: 3,600											
d. Authorization Requested In This Program: 7,100											
e. Authorization Included In Following Program: (FY 1996) 10,850											
f. Planned In Next Three Program Years: 23,500											
g. Remaining Deficiency: 0											
h. Grand Total: 205,134											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START		Cmpl	
216-642		F-15E ADD TO MUNITIONS MAINTENANCE FACILITY		3,200 SF		850		APR 93		AUG 94	
721-312		ADD TO AND ALTER DORMITORY		158 PN		3,700		APR 93		JUL 94	
871-183		UPGRADE STORM DRAINAGE SYSTEM		20,000 LF		2,550		AUG 93		AUG 94	
		TOTAL:				7,100					
9a. Future Projects: Included in the Following Program (FY 1996)											
211-157		ADD TO JET ENGINE SHOP		16,200 SF		2,900					
721-312		ADD TO AND ALTER DORMITORY		156 PN		3,800					
842-245		ADD TO AND ALTER WATER DISTRIBUTION MAINS		LS		4,150					
		TOTAL:				10,850					
9b. Future Projects: Typical Planned Next Three Years:											
121-111		CONSTRUCT BASE FUELS COMPLEX		8,000 SF		1,500					
141-753		ADD TO AND ALTER MAINTENANCE FACILITY		11,000 SF		1,100					
610-128		CONSOLIDATED SUPPORT CENTER		54,000 SF		7,500					
610-128		COMBAT READINESS CENTER		25,000 SF		3,700					
721-312		ADD TO AND ALTER DORMITORY		162 PN		3,800					
10. Mission or Major Functions: A fighter wing with two F-15 squadrons and an Air Force regional hospital.											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM			4. PROJECT TITLE ADD TO AND ALTER DORMITORY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.75.96U	721-312	MSET923000	3,700		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
ADD TO AND ALTER DORMITORY (158 PN)	SF	28,500		2,718	
ADDITION (EXTERIOR ENTRANCES)	SF	3,000	56	(168)	
ALTERATION	SF	25,500	100	(2,550)	
SUPPORTING FACILITIES				560	
UTILITIES	LS			(195)	
PAVEMENTS	LS			(195)	
SITE IMPROVEMENTS	LS			(85)	
COMMUNICATIONS	LS			(85)	
SUBTOTAL				3,278	
CONTINGENCY (10%)				328	
TOTAL CONTRACT COST				3,606	
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				90	
TOTAL REQUEST				3,696	
TOTAL REQUEST (ROUNDED)				3,700	
10. Description of Proposed Construction: Provide room-bath-room configuration, exterior entrances, areas for recreation, laundry, and storage. Project includes sound attenuation, insulation and other energy conservation features, fire protection, all utilities, necessary support, site work and exterior public areas. Grade Mix: 158 E1-E4.					
11. REQUIREMENT: 2,340 PN ADEQUATE: 1,018 PN SUBSTANDARD: 1,179 PN PROJECT: Add to and alter dormitory. (Current Mission) REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform overseas. CURRENT SITUATION: RAF Lakenheath has the oldest dormitories in USAF's inventory; this dormitory was constructed in 1964. This dormitory has central gang latrines and less than adequate space for laundry, recreation, and storage. The infrastructure of the dormitory consists of inadequate individual heat controls, insufficient insulation and noise attenuation. Maintenance and repair costs for maintaining the infrastructure are out of balance when compared to similar modern facilities. Heating costs for this facility are excessive due to lack of individual heating controls and poor insulation. Occupants must regulate heating through opening of windows during all times of the year to suit individual preferences. The majority of unaccompanied enlisted personnel assigned to RAF Lakenheath live in these dormitories which do not meet current Air Force standards, or they are forced to live in off-base					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM		
4. PROJECT TITLE		5. PROJECT NUMBER
ADD TO AND ALTER DORMITORY		MSET923000
quarters costing more than they can afford. The current average occupancy rate is 93 percent. Approximately 178 junior enlisted personnel struggle to afford off-base apartments. Enlisted personnel must use "out of pocket" funds, above their basic allowance for quarters (BAQ), or live in substandard accommodations. <u>IMPACT IF NOT PROVIDED:</u> RAF Lakenheath will continue to fail in meeting the minimum Air Force standards for dormitory living. The dormitory will require an excessive amount of maintenance and repair funds to ensure the infrastructure is adequately serviced. Heating costs will be inordinate due to poor heating controls and insulation. Junior enlisted personnel will continue to be housed in substandard dormitories which degrades morale, career satisfaction and productivity. <u>ADDITIONAL:</u> This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event the criteria changes for facilities of this type. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present value and benefits of the respective alternatives, revitalization was found to be the most cost-effective over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM		
4. PROJECT TITLE	5. PROJECT NUMBER	
ADD TO AND ALTER DORMITORY	MSET923000	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 APR 26
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		50%
(d) Date 35% Designed.		93 JUL 15
(e) Date Design Complete		94 JUL 31
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		LAKENHEA
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		185
(b) All Other Design Costs		
(c) Total		185
(d) Contract		185
(e) In-house		
(4) Construction Start		
		95 MAR
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM		4. PROJECT TITLE UPGRADE STORM DRAINAGE SYSTEM		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
2.74.56U	871-183	MSET879005	2,550	

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE STORM DRAINAGE SYSTEM	LF	20,000	77	1,540
SUPPORTING FACILITIES				830
UTILITIES	LS			(535)
PAVEMENTS	LS			(75)
SITE IMPROVEMENTS	LS			(70)
SOIL REMEDIATION	LS			(150)
SUBTOTAL				2,370
CONTINGENCY (5%)				119
TOTAL CONTRACT COST				2,489
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				62
TOTAL REQUEST				2,551
TOTAL REQUEST (ROUNDED)				2,550

10. Description of Proposed Construction: Replace open surface collection system with new concrete piping storm water collection system. Includes drop inlets, manholes, oil/water separators, excavation, soil remediation, grading, repair of paved surfaces removed for road crossings during installation, repair, and replacement of the storm drainage system. Remove existing leach fields in the aquifer protection zone.

11. REQUIREMENT: 252,763 LF ADEQUATE: 232,763 LF

SUBSTANDARD: 20,000 LF

PROJECT: Upgrade storm drainage system. (Current Mission)

REQUIREMENT: This is a Level I environmental compliance requirement. It is required by Executive Order 12088 and DoD Directive 6050.16, which calls for overseas installations to comply with host nation law or the Overseas Environmental Baseline Guidance Document (OEBGD)/Final Governing Standard (FGS), whichever is more stringent. The host nation Water Resources Act and the Water Act are more stringent and require that areas of potential pollution to ground water be protected from pollutants. This project represents the US share of a joint US-NATO program to correct deficiencies in the storm drainage system. The US stand-alone portion ensures all surface waters, within the aquifer protection zones, will pass through an oil/water separator into a surface water discharge point. The zones are registered with the National Rivers Authority and include aircraft movement areas, workshop areas, POL storage, and heavy vehicle parking areas. This project allows proper drainage from pavements and ensures proper segregation of pollutants that may contaminate the soil.

CURRENT SITUATION: Vehicle parking areas within the aquifer protection zone do not have storm drainage systems. Storm water is being discharged to leach fields and, in some cases, directly into the ground. The fuel

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM		
4. PROJECT TITLE UPGRADE STORM DRAINAGE SYSTEM	5. PROJECT NUMBER MSET879005	
truck parking compound is within the aquifer protection zone and has no protection in the event of a spill. The surface water drains directly into the soil and ultimately comes in contact with the ground water. Both of these situations result in soil contamination and ground water pollution. Flooding is a problem near three maintenance hangars because none have surface water drainage systems. As an interim solution, one hangar has installed sandbags around the facility to prevent water from coming in the shop. Flooding is a frequent problem (3-5 times a month during rainy season). The hangar areas will be connected to the base system with this project. Additionally, three leach fields must be removed and the drainage tied into the base storm drainage system. <u>IMPACT IF NOT PROVIDED:</u> The existing storm drainage system will remain out of compliance with the OEBGD/FGS and host nation law. Noncompliance risks contaminating the aquifer from which the base and local communities obtain drinking water. There is the potential for the UK government to fine and take legal action against the host base RAF Commander if we continue to be in noncompliance. Isolated flooding will continue to occur, causing delays in maintenance and risking damage to valuable USAF assets. <u>ADDITIONAL:</u> The area serviced by this US project is not eligible for NATO funding. It does represent the US portion of a joint US-NATO project. The US portion is a stand alone project and is not contingent upon the NATO funding. The NATO portion will be proposed for inclusion into the next NATO Infrastructure Capability Package (ICP). A preliminary analysis of reasonable options for accomplishing this project (status quo, upgrade/removal, new construction) was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE SYSTEM	MSET879005	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 AUG 13
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		94 JAN 15
(e) Date Design Complete		94 AUG 31
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		128
(b) All Other Design Costs		
(c) Total		128
(d) Contract		128
(e) In-house		
(4) Construction Start		95 MAR
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX 0.00			
VARIOUS LOCATIONS											
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of											
b. End FY											
7. INVENTORY DATA (\$000)											
a. Total Acreage: ()											
b. Inventory Total As Of: (30 SEP 92)											
c. Authorization Not Yet In Inventory:											
d. Authorization Requested In This Program:											
e. Authorization Included In Following Program: (FY 1996)											
f. Planned In Next Three Program Years:											
g. Remaining Deficiency:											
h. Grand Total:											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY						COST		DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE				(\$000)	START	CMPL			
010-211	PLANNING & DESIGN	LS				49,386					

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS		4. PROJECT TITLE PLANNING AND DESIGN		
5. PROGRAM ELEMENT 9.12.11D	6. CATEGORY CODE 010-211	7. PROJECT NUMBER PAYZ953014	8. PROJECT COST(\$000) 49,386	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PLANNING AND DESIGN	LS			49,386
SUBTOTAL				49,386
TOTAL CONTRACT COST				49,386
TOTAL REQUEST				49,386
TOTAL REQUEST (ROUNDED)				49,386
10. Description of Proposed Construction: The funds requested will be used to provide financing for architectural and engineering services and construction design for Air Force Military Construction Programs.				
11. REQUIREMENT: As required. <u>REQUIREMENT:</u> These planning and design funds are required to complete the design of facilities in the FY 96 Military Construction Program, initiate design of facilities in the FY 97 Military Construction Program and accomplish planning and design for major and complex technical projects with a long lead-time to be included in subsequent Military Construction Programs. Also provides funds for value engineering and for the support of construction management activities of projects that are funded by foreign governments and for design of classified and special programs.				

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX 0.00			
VARIOUS LOCATIONS											
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of											
b. End FY											
7. INVENTORY DATA (\$000)											
a. Total Acreage: ()											
b. Inventory Total As Of: (30 SEP 92)											
c. Authorization Not Yet In Inventory:											
d. Authorization Requested In This Program:											
e. Authorization Included In Following Program: (FY 1996)											
f. Planned In Next Three Program Years:											
g. Remaining Deficiency:											
h. Grand Total:											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY						COST		DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE				(\$000)	START	CMPL			
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS				7,000					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION			4. PROJECT TITLE	
VARIOUS LOCATIONS			UNSPECIFIED MINOR CONSTRUCTION	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
9.12.11M	010-211	PAYZ924015C	7,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UNSPECIFIED MINOR CONSTRUCTION	LS			7,000
SUBTOTAL				7,000
TOTAL CONTRACT COST				7,000
TOTAL REQUEST				7,000
TOTAL REQUEST (ROUNDED)				7,000
10. Description of Proposed Construction: Provide a lump sum amount for unspecified construction projects, not otherwise authorized by law, having a funded cost between \$300,000 and \$1,500,000, including construction, alteration or conversion of permanent or temporary facilities, in accordance with 10 USC 2805.				
11. REQUIREMENT: As required. <u>REQUIREMENT:</u> This package provides the means of accomplishing urgent projects that are not identified but which are anticipated to arise during FY 95. Included would be projects to support new mission requirements, support of new equipment and concepts and other essential support to Air Force missions and functions that could not wait until availability of FY 96 Military Construction Program funds. 10 USC 2805 provides authority to the Secretaries of the military departments to accomplish projects of this nature.				

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
VARIOUS		PROJECTS \$1 MILLION AND UNDER		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
9. COST ESTIMATES				
ITEM		U/M	QUANTITY	UNIT COST
10. Description of Porposed Construction: Following are individual justification paragraphs for all projects \$1 million and under.				
VARIOUS LOCATIONS - WITHIN THE UNITED STATES VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES				

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE	5. PROJECT NUMBER	
PROJECTS \$1 MILLION AND UNDER		
<u>STATE AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
<u>KANSAS</u>		
MCCONNELL AFB (AMC) PRQE962500 871-183	UPGRADE STORM DRAINAGE FACILITIES	500
Upgrade storm drainage facilities. (Current Mission) This is a Level II environmental compliance requirement. This project is required to satisfy the Clean Water Act requirement under 40 CFR 122 for storm water discharge. The storm water permit was issued 1 Oct 93. The base is required to be in compliance with their National Pollutant Discharge Elimination System (NPDES) permit by Oct 96. The base is required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are required to eliminate sources of pollutants to storm drains. Presently, the base does not have adequate storm water control measures for the industrial areas of the base. There are no control structures to prevent storm water runoff from industrial areas of the base from entering the surface waters off base. Additionally, non-storm water discharges (process water and sanitary wastewater) are connected to the storm drainage system. These existing cross-connections will not be allowed by the NPDES permit. McConnell AFB will be out of compliance with their NPDES permit. The continuous violation of storm water regulations have the potential for fines up to \$25,000 per day per violation and could create adverse publicity. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements."		

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE UPGRADE STORM DRAINAGE FACILITIES		5. PROJECT NUMBER PROE962500
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 SEP 23
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		93 DEC 20
(e) Date Design Complete		94 AUG 12
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		30
(b) All Other Design Costs		55
(c) Total		85
(d) Contract		
(e) In-house		85
(4) Construction Start		
		95 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE		5. PROJECT NUMBER
PROJECTS \$1 MILLION AND UNDER		
<u>STATE AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
<u>MISSISSIPPI</u>		
KEESLER AFB (ATC) MAHC953009 880-232	UPGRADE FIRE SUPPRESSION SYSTEM	640
Upgrade hangar fire suppression system. (New Mission) Air Force standards require an AFFF system be provided in hangar spaces used for maintenance operations on aircraft. An existing facility is available at the installation to support the new C-21 mission, but requires a fire suppression system be installed for it to be a complete and usable facility for the C-21 mission. There are no other adequate facilities available on the installation to support this new requirement. Adequate hangar space will not be available for the beddown of the C-21 mission. A fire protection waiver for the C-21 aircraft will be required until a AFFF system is installed in the facility. Maintenance operations will be more difficult to perform because of work limitations imposed by the waiver. The aircraft will also be in operation at a higher risk of damage or destruction because the appropriate fire suppression system will not be available for use in the facility. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". This project has been considered for FY 98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KEESLER AIR FORCE BASE, MISSISSIPPI		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE FIRE SUPPRESSION SYSTEM	MAHG953009	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 JUL 30
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		15%
(d) Date 35% Designed.		94 MAR 15
(e) Date Design Complete		94 SEP 20
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		35
(b) All Other Design Costs		45
(c) Total		80
(d) Contract		45
(e) In-house		35
(4) Construction Start		
		95 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE	5. PROJECT NUMBER	
PROJECTS \$1 MILLION AND UNDER		
<u>STATE AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
<u>NEBRASKA</u>		
OFFUTT AFB (ACC) SGBP960902 411-135	UNDERGROUND FUEL STORAGE TANKS	760
Remove, replace or upgrade underground fuel storage tanks. (Current Mission) This is a Level II environmental compliance requirement. Upgrade all underground storage tanks (USTs) regulated by 40 CFR 280 to new standards by Dec 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated underground storage tanks to have leak detection, corrosion protection, and spill/overflow prevention systems. If USTs are to be replaced, Air Force policy is to replace them with aboveground tanks or to relocate them into underground vaults wherever possible. However, existing underground petroleum product storage tanks which are in good condition and may be upgraded in-place must be brought into compliance with applicable UST standards. Underground storage tanks at Offutt AFB do not meet federal law (40 CFR 280.21) and state requirements for cathodic protection, leak detection monitoring and spill/overflow protection. Replacement of ten tanks ranging from 300 to 1,000 gallons, and the upgrade of four tanks, ranging from 2,000 to 25,000 gallons, are required to assure environmental compliance. Failure to replace these tanks at Offutt AFB will result in an unacceptable risk of pollution. Additionally, Offutt AFB will not be in compliance with federal and state environmental requirements thereby subjecting the base to enforcement action and monetary penalties. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
OFFUTT AIR FORCE BASE, NEBRASKA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNDERGROUND FUEL STORAGE TANKS	SGBP960902	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUN 14	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	93 DEC 20	
(e) Date Design Complete	94 MAR 17	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	45	
(b) All Other Design Costs	58	
(c) Total	103	
(d) Contract		
(e) In-house	103	
(4) Construction Start 95 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE		5. PROJECT NUMBER
PROJECTS \$1 MILLION AND UNDER		
<u>STATE AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST</u> <u>(\$000)</u>
<u>OKLAHOMA</u>		
VANCE AFB (ATC) XTLF933301 179-511	FIRE TRAINING FACILITY	980
Construct a fire training facility. (Current Mission) This is a Level I environmental compliance requirement. The existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122.26). Construct a fire training facility (PTF) which meets CWA, Clean Air Act and Resource Conservation and Recovery Act (RCRA) requirements as applicable. Provide an impermeable liner below the burn area, fuel/water separator, and a nondischarging effluent holding pond to prevent contamination of soil and groundwater. Live fire training is an FAA established quarterly training requirement for the fire fighters to maintain a high level of proficiency. It is Air Force policy to have a fire training facility on every major Air Force installation to meet fire training requirements, which complies with all applicable environmental requirements. The existing facility does not meet the CWA requirements and has been closed since 1 May 93. Training is currently not conducted. The existing site is currently designated as an Installation Restoration Program (IRP) site and is undergoing remedial investigation funded by Defense Environmental Restoration Account (DERA). Fire fighters will not remain proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and the accident victims will be compromised. TDY training is not feasible due to the funded level of manning and mission support requirements. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
AIR FORCE			
3. INSTALLATION AND LOCATION			
VANCE AIR FORCE BASE, OKLAHOMA			
4. PROJECT TITLE		5. PROJECT NUMBER	
FIRE TRAINING FACILITY		XTLF933301	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a)	Date Design Started	93 FEB 16	
(b)	Parametric Cost Estimates used to develop costs	N	
(c)	Percent Complete as of Jan 1994	60%	
(d)	Date 35% Designed.	93 OCT 01	
(e)	Date Design Complete	94 JUN 01	
(2) Basis:			
(a)	Standard or Definitive Design -	YES	
(b)	Where Design Was Most Recently Used -	LUKE	
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a)	Production of Plans and Specifications	58	
(b)	All Other Design Costs	36	
(c)	Total	94	
(d)	Contract	64	
(e)	In-house	30	
(4) Construction Start			94 DEC
b. Equipment associated with this project will be provided from other appropriations: N/A			

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER		5. PROJECT NUMBER
<u>STATE AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
<u>CLASSIFIED LOCATION</u>		
CLASSIFIED P (ACC) HTAC943045 452-252	WAR READINESS MATERIEL OPEN STORAGE FACILITY	650
Construct a war readiness materiel (WRM) open storage facility. (New Mission) Open storage facilities are required for prepositioning and long-term storage of durable WRM assets. These assets must be ready for use by US Central Command forces. This project supports USCENTCOM/host nation agreements. Other facilities in the host country are unavailable for WRM storage requirements. WRM assets moved into the region during Operation DESERT SHIELD/DESERT STORM must either be stored in country or returned to the CONUS. CONUS storage and roundtrip transportation will exceed storage cost in the host country. The round trip transportation cost to move this equipment between the United States and the Southwest Asia region is nearly \$2.0 million. Under present conditions, the prepositioned equipment is not secured to the level required for valuable war fighting assets. Adequate facilities will not be available for storage of assets required to support US Central Command contingency operations in the Persian Gulf area. Without adequate storage facilities, equipment will not be adequately secured. If equipment is returned to the CONUS for storage, it would have to be retransported to the operational area for contingency situations increasing transportation demands and slowing mobility time. Readiness would be degraded. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CLASSIFIED LOCATION		
4. PROJECT TITLE	5. PROJECT NUMBER	
WAR READINESS MATERIEL OPEN STORAGE FACILITY	HTAC943045	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	92 MAY 25	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1994	60%	
(d) Date 35% Designed.	93 FEB 30	
(e) Date Design Complete	94 MAY 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	39	
(b) All Other Design Costs	39	
(c) Total	78	
(d) Contract		
(e) In-house	78	
(4) Construction Start 95 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES		
4. PROJECT TITLE	5. PROJECT NUMBER	
PROJECTS \$1 MILLION AND UNDER		
<u>COUNTRY AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
<u>UNITED KINGDOM</u>		
RAF LAKENHEATH (AFE) MSET930104 216-642	F-15E ADD TO MUNITIONS MAINTENANCE FACILITY	850
F-15E add to munitions maintenance facility. (New Mission) Facility to support assembly, maintenance and inspection of live munitions, components and containers for the F-15E aircraft. Armaments include 20mm cannon rounds, air-to-air missiles, iron bombs, guided bomb units (GBUs) and glide munitions. The existing facility was constructed to support the F-111 aircraft which deploys with only one type of weapons system. The facility contains one bay to inspect and service the weapons used on this aircraft when generating missions. The F-111 was replaced by the F-15E which can be configured to carry four different precision guided munition (PGM) weapon systems plus a 20mm cannon. DoD and USAF explosive safety regulations dictate physical separation when servicing different types of munitions. With only one bay, RAF Lakenheath cannot safely service all possible configurations of munitions the F-15E needs to carry unless it is done one munitions system at a time. This method of operation reduces mission capability by 50 percent or more. The site activation task force surveyed all facilities at RAF Lakenheath and determined the only solution was this addition. The current munitions maintenance shop is required to support loading of universal ammunition loaders (UAL) with 20mm munitions, and build up of PGM for the F-15E. Being a single bay facility, each time a new weapon is required the entire bay configuration and equipment must be changed out. This can take up to four hours, tremendously reducing productivity. The additional bay will house the pull-through 20mm munitions maintenance operations and test equipment. The existing bay will be used for maintenance of PGMs and glide bombs while other maintenance facilities on base will be used for conventional and non-conventional missile maintenance. Unsafe munitions operations. In an actual contingency situation the munitions maintenance shop will have to service several different munitions at the same time and in the same area if this addition is not built. This increases the risk of injury and damage to people and equipment should there be an explosion or fire. Without this addition, sortie generation rates will be reduced. The time required to prepare 48 aircraft will reduce the wing's ability to generate mission capable aircraft to support tasking orders. Spare parts and equipment will have to be stored at a location geographically separated from the maintenance area causing additional delays in munition generation. This facility supports the SECDEF directed beddown of the F-15E aircraft. This project is not eligible for NATO funding. The NATO 6th Edition criteria for munitions maintenance facilities servicing two or		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES		
4. PROJECT TITLE		5. PROJECT NUMBER
PROJECTS \$1 MILLION AND UNDER		
<u>COUNTRY AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
more munitions indicate bases are allotted up to 1900 SF; to date NATO has provided 2200 SF at RAF Lakenheath. A precautionary prefinancing statement will be submitted to NATO in the event that the criteria changes for facilities of this type. All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM		
4. PROJECT TITLE	5. PROJECT NUMBER	
F-15E ADD TO MUNITIONS MAINTENANCE FACILITY	MSET930104	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 APR 28	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	94 JAN 15	
(e) Date Design Complete	94 AUG 31	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	43	
(b) All Other Design Costs		
(c) Total	43	
(d) Contract	43	
(e) In-house		
(4) Construction Start		
	95 MAR	
b. Equipment associated with this project will be provided from other appropriations: N/A		

DEFENSE BUSINESS OPERATIONS FUND (DBOF)

**THE FOLLOWING IS A SPECIAL SECTION ON DBOF
PROJECTS THAT ARE INCLUDED IN THE AIR FORCE
FY 1995 MILITARY CONSTRUCTION REQUEST.
THESE PROJECTS ARE ALSO INCLUDED IN THE DD
FORMS 1390 AND 1391 THAT ARE IN THE FRONT
PART OF THIS VOLUME.**

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA			4. PROJECT TITLE ALTER VENTILATION SYSTEM, CORROSION CONTROL FAC (DBOF)		
5. PROGRAM ELEMENT 7.80.56	6. CATEGORY CODE 211-159	7. PROJECT NUMBER WWYK943020	8. PROJECT COST(\$000) 8,400		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
ALTER VENTILATION SYSTEM, CORROSION CONTROL FAC (DBOF)		SF	110,500	25	2,763
SUPPORTING FACILITIES					4,450
UTILITIES		LS			(900)
UPGRADE SUBSTATION		LS			(1,300)
STEAM GENERATION		LS			(2,000)
SITE IMPROVEMENTS		LS			(250)
SUBTOTAL					7,213
CONTINGENCY (10%)					721
TOTAL CONTRACT COST					7,934
SUPERVISION, INSPECTION AND OVERHEAD (6%)					476
TOTAL REQUEST					8,410
TOTAL REQUEST (ROUNDED)					8,400
10. Description of Proposed Construction: Alter ventilation system to provide up to 100 percent make-up air, increase steam and electric service to the facility, and provide necessary support. <u>Air Conditioning: 150 Tons.</u>					
11. REQUIREMENT: 236,000 SF ADEQUATE: 0 SUBSTANDARD: 236,000 SF <u>PROJECT:</u> Alter the ventilation system of a corrosion control facility. (Current Mission) <u>REQUIREMENT:</u> A functional and environmentally safe depot corrosion control facility is required for repainting aircraft in conjunction with periodic depot maintenance of several different aircraft types. Modification of the ventilation system in the existing facility is required to meet Occupational Safety and Health Administration (OSHA) requirements. OSHA Regulation 29 CFR 1910.107(d)(9) requires ventilation systems to limit contaminants to 500 parts per million. A single pass-through ventilation system, with adequate provisions for heating and cooling make-up air, is required to meet this requirement. <u>CURRENT SITUATION:</u> This is one of two depot corrosion control facilities at Tinker Air Force Base, and is the only one equipped for complete aircraft repainting. Twelve of 14 ventilation units in the facility use recirculated air, which violates OSHA regulations and degrades the quality of paint application. The two remaining units exhaust to the outside except in cold weather. Annual paint usage in 1989-1990 averaged 21,000 gallons. Personnel are protected from respiratory hazards by use of special air-line respirators, which greatly decrease productivity. Noncompliance with OSHA regulations has been documented in an Air Force Occupational and Environmental Health Laboratory (AFOEHL) report. <u>Additionally, the temperature and humidity conditions cause poor paint</u>					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
AIR FORCE			
3. INSTALLATION AND LOCATION			
TINKER AIR FORCE BASE, OKLAHOMA			
4. PROJECT TITLE			5. PROJECT NUMBER
ALTER VENTILATION SYSTEM, CORROSION CONTROL FAC (DBOF)			WWYK943020
adhesion, blushing, or irregular paint application on about two-thirds of aircraft requiring gloss paint applications. Correction of these flaws range from scuff sanding and touch-up painting to complete repainting of aircraft. <u>IMPACT IF NOT PROVIDED:</u> Aircraft paint operations will continue to violate OSHA standards and a high risk of fire will remain, with the potential loss of building, aircraft and equipment as well as personal injury or death. Also, completion of aircraft painting will continue to be delayed and labor and materials will continue to be wasted repainting aircraft. <u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, contracting and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria specified in Air Force Manual 86-2, "Standard Facility Requirements". The requirement for this project was validated by the Joint Service Depot Maintenance Industrial Military Construction Review Board in September 1992.			

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
ALTER VENTILATION SYSTEM, CORROSION CONTROL FAC (DBOF)	WWYK943020	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 APR 15	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	93 OCT 10	
(e) Date Design Complete	94 AUG 26	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	500	
(b) All Other Design Costs	340	
(c) Total	840	
(d) Contract	649	
(e) In-house	191	
(4) Construction Start	94 DEC	
b. Equipment associated with this project will be provided from other appropriations: N/A		

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST

FY 1995 NARRATIVE SUMMARY

Family housing is one of the most important quality of life issues in the Air Force. This budget request directly supports Defense Planning Guidance for 1995-1999.

- Retain quality people and provide these people with adequate housing.
- Maintain excellence in communities, facilities, and services to take care of Air Force people and their families.
- Decrease total expenses with the drawdown of forces.

The Air Force remains committed to providing adequate housing for all members and their families and recognizes the increased importance of this effort during this drawdown period. In line with guidance, we depend first on the local community to meet our housing needs. Where this is not possible, new housing will decrease deficits. This budget pursues this objective through a balanced program for construction, improvement, operations, maintenance and leasing.

The Air Force construction and improvement program reflects our commitment to replace or revitalize our inventory to meet contemporary standards. The 1995 budget shows an increase in replacement projects as a result of OSD policy to replace units when the costs of an improvement project exceeds 70 percent of the replacement cost.

Operation, maintenance and leasing funds support day-to-day operations such as civilian pay, service contracts, utilities, leases and required maintenance to prevent further deterioration of existing units. The 1995 budget follows Congress' desire that DOD continues "to adequately provide for maintenance of its housing inventory in future budget submissions." However, while the 1995 submission funds at a required annual level, deferred maintenance continues to grow.

The budget presents a balanced program to continue support of quality of life for Air Force personnel and their families while recognizing current fiscal constraints.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST

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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST

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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST

FINANCIAL SUMMARY

AUTHORIZATION FOR APPROPRIATION REQUESTED FOR FY 1995
(\$ in Thousands):

FUNDING PROGRAMFY 1995

Construction		\$181,948
Post-Acquisition Construction		61,770
Advance Planning and Design		<u>9,275</u>

<u>Appropriation Request: Construction</u>		\$252,993
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Operations, Utilities and Maintenance		\$688,562
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Operating Expenses	126,446	
Utilities	178,472	
Maintenance	383,644	

Leasing - Worldwide		\$112,757
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Debt Payment		\$26
Premiums for Servicemen's		
Mortgage Insurance Coverage		

<u>Appropriation Request: O&M, Leasing,</u>		
<u>and Debt Payment</u>		<u>\$801,345</u>

<u>Appropriation Request</u>		<u>\$1,054,338</u>
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Reimbursement Program		<u>\$11,139</u>
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FY 1995 Family Housing Program		\$1,065,477
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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST

Authorization Language

SEC. 2302. FAMILY HOUSING

(a) CONSTRUCTION AND ACQUISITION. - Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A)), the Secretary of the Air Force may construct or acquire family housing units (including land acquisition) at the installations, for the purposes, and in the amounts set forth in the following table:

<u>STATE</u>	<u>INSTALLATION</u>	<u>PURPOSE</u>	<u>AMOUNT</u>
Alabama	Maxwell AFB	25 Units	\$ 2,100,000
Arizona	Davis Monthan AFB	60 Units	\$ 5,940,000
California	Beale AFB	76 Units	\$ 8,842,000
	Edwards AFB	34 Units	\$ 4,629,000
	Vandenberg AFB	128 Units	\$16,460,000
District of Columbia	Bolling AFB	100 Units	\$ 9,000,000
Florida	Patrick AFB	75 Units	\$ 7,145,000
Idaho	Mt. Home AFB	4 Units	\$ 881,000
		60 Units	\$ 5,712,000
Kansas	McConnell AFB	70 Units	\$ 8,322,000
Louisiana	Barksdale AFB	82 Units	\$ 8,236,000
Missouri	Whiteman AFB	Hsng Office	\$ 567,000

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST

<u>STATE</u>	<u>INSTALLATION</u>	<u>PURPOSE</u>	<u>AMOUNT</u>
New Mexico	Cannon AFB	1 Unit	\$ 230,000
	Kirtland AFB	106 Units	\$10,058,000
	Holloman AFB	76 Units	\$ 7,733,000
North Carolina	Pope AFB	120 Units	\$14,874,000
	Seymour Johnson AFB	74 Units	\$ 6,025,000
North Dakota	Grand Forks AFB	Hsng Office	\$ 709,000
South Carolina	Shaw AFB	3 Units	\$ 631,000
Texas	Dyess AFB	59 Units	\$ 7,077,000
Virginia	Langley AFB	148 Units	\$14,421,000
Washington	Fairchild AFB	6 Units	\$ 1,035,000
Wyoming	F.E. Warren AFB	106 Units	\$11,321,000

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST

(b) PLANNING AND DESIGN. - Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of military family housing units in an amount not to exceed \$ 9,275,000.

SEC. 2303. IMPROVEMENT TO MILITARY FAMILY HOUSING UNITS

Subject to section 2825 of Title 10, United States Code, and using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may improve existing military family housing units in an amount not to exceed \$ 61,770,000.

SEC. 2304. AUTHORIZATION OF APPROPRIATIONS, AIR FORCE

(a) IN GENERAL

(5) For Military Family Housing functions -

(A) For construction and acquisition of military family housing and facilities, \$222,993,000.

(B) For support of military family housing (including functions described in section 2833 of title 10, United States Code), \$801,345,000 of which not more than \$112,757,000 may be obligated or expended for leasing of military units worldwide.

(6) For Phase III of the relocation and construction of up to 1,068 family housing units at Scott Air Force Base, Illinois, authorized by section 2302(2) of the Military Construction Authorization Act for Fiscal Year 1993 (Public Law 102-484; 106 Stat. 2596), \$30,000,000.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST

Appropriation Language

For expenses of family housing for the Air Force for construction, including acquisition, replacement, addition, expansion, extension and alteration and for operations and maintenance, including debt payment, leasing, minor construction, and insurance premiums, as authorized by law as follows: for Construction, \$187,035,000 [FY94], \$252,993,000 [FY95], for Operations and Maintenance, and Debt Payment \$790,912,000 [FY94], \$801,345,000 [FY95]; in all \$977,947,000 [FY94], \$1,054,338,000 [FY95]: Provided: That the amount for construction shall remain available until September 30, 1998 for FY94 and September 30, 1999 for FY95.

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1989

Identification code	57-7040-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programmed)			Obligations		
		1993 actual	1994 est.	1995 est.	1993 actual	1994 est.	1995 est.
Program by activities:							
Direct program:							
01.0201	Post Acquisition Construction	-	-	-	4,288	-	-
01.0301	Planning and design	-	-	-	968	-	-
01.9101	Total direct program	-	-	-	5,276	-	-
10.0001	Total	-	-	-	5,276	-	-
Financing:							
17.0001	Recovery of prior year obligations	-	-	-	-1,541	-	-
21.4002	Unobligated balance available, start of year:	-	-	-	-	-	-
21.4002	For completion of prior year budget plans	-	-	-	-4,703	-	-
21.4009	Reprogramming from/prior year budget plan	-968	-	-	-	-	-
25.0001	Unobligated balance expiring	968	-	-	968	-	-
39.0001	Budget authority	-	-	-	-	-	-

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1990

Identification code	57-7040-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
		1993 actual	1994 est.	1995 est.	1993 actual	1994 est.	1995 est.
Program by activities:							
Direct program:							
01.0101	Construction of new housing				5,165	1,205	
01.0201	Post Acquisition Construction				978	839	
01.0301	Planning and design					1,174	
01.9101	Total direct program				6,144	3,018	
10.0001	Total				6,144	3,018	
Financing:							
17.0001	Recovery of prior year obligations				-216		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-8,946	-3,018	
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				3,018		
39.0001	Budget authority						

Family Housing Construction, Air Force
Program and Financing (in thousands of dollars) FISCAL YEAR 1991

Identification code	57-7040-0-1-051	Budget plan (amounts for FAMILY HOUSING actions programmed)			Obligations		
		1992 actual	1994 est.	1995 est.	1993 actual	1994 est.	1995 est.
Program by activities:							
Direct program:							
01.0101	Construction of new housing				1,672		8,200
01.0201	Post Acquisition Construction				15,099	4,277	280
01.0301	Planning and design				1,724	967	28
01.9101	Total direct program				18,495	5,244	8,508
10.0001	Total				18,495	5,244	8,508
Financing:							
17.0001	Recovery of prior year obligations				-199		
21.4002	Unobligated balance available, start of year:						
	For completion of prior year budget plans				-32,049	-13,752	-8,508
24.4002	Unobligated balance available, end of year:						
	For completion of prior year budget plans				13,752	8,508	
39.0001	Budget authority						

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Family Housing Construction, Air Force
Program and Financing (in thousands of dollars) FISCAL YEAR 1992

Identification code	57-7040-0-1-051	Budget plan (amounts for FAMILY HOUSING actions programmed)			Obligations		
		1993 actual	1994 est.	1995 est.	1993 actual	1994 est.	1995 est.
Program by activities:							
Direct program:							
01.0101	Construction of new housing				10,302	22,756	6,924
01.0201	Post Acquisition Construction				104,747		3,332
01.0301	Planning and design				2,138	374	60
01.9101	Total direct program				117,187	23,979	10,336
10.0001	Total				117,187	23,979	10,336
Financing:							
17.0001	Recovery of prior year obligations						
21.4002	Unobligated balance available, start of year:				-13,642		
21.4003	For completion of prior year budget plans				-154,630	-39,885	-15,906
21.4003	Available to finance new budget plans		-6,400			-6,400	
21.4006	Reprogramming from/to prior year budget plan	-11,400					
22.0001	Unobligated balance transferred to other acco	5,000			5,000		
24.4002	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				39,885	15,906	5,570
24.4003	Available to finance subsequent year budget	6,400			6,400		
40.3601	Budget authority (appropriation rescinded) (		-6,400			-6,400	

		Family Housing Construction, Air Force Program and Financing (in thousands of dollars)				FISCAL YEAR 1993	
		Budget Plan (amounts for FAMILY HOUSING actions programmed)				Obligations	
Identification code	57-7040-0-1-051	1993 actual	1994 est.	1995 est.	1993 actual	1994 est.	1995 est.
Program by activities:							
Direct program:							
01.0101	Construction of new housing	102,978			63,853	24,405	12,978
01.0201	Post Acquisition Construction	139,649			72,049	55,036	11,910
01.0301	Planning and design	7,457			2,693	4,629	135
01.9101	Total direct program	250,084			138,595	84,070	25,021
03.0101	Reimbursable Program	125			125		
10.0001	Total	250,209			138,720	84,070	25,021
Financing:							
Offsetting collections from:							
Federal funds(-)							
11.0001	Unobligated balance available, start of year:	-125			-125		
21.4002	For completion of prior year budget plans					-111,489	-27,419
21.4003	Available to finance new budget plans					-48,702	
22.0001	Unobligated balance transferred from other ac	-15,000			-15,000		
24.4002	For completion of prior year budget plans					111,489	2,398
24.4003	Available to finance subsequent year budget	48,702			48,702	27,419	
39.0001	Budget authority	283,786			283,786	-48,702	
Budget authority:							
40.0001	Appropriation	283,786			283,786	-48,702	
40.3601	Appropriation rescinded (unob bal)						
43.0001	Appropriation (adjusted)	283,786			283,786	-48,702	

Family Housing Construction, Air Force
Program and Financing (in Thousands of Dollars) FISCAL YEAR 1994

		FISCAL YEAR 1994					
Identification code	57-7040-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programmed)			Obligations		
		1993 actual	1994 est.	1995 est.	1993 actual	1994 est.	1995 est.
Program by activities:							
Direct program:							
01.0101	Construction of new housing		100,064		30,339		38,819
01.0201	Post Acquisition Construction		75,070		47,162		23,408
01.0301	Planning and design		11,901		8,451		1,418
01.9101	Total direct program		187,035		85,952		63,645
03.0101	Reimbursable Program		156		156		
10.0001	Total		187,191		86,108		63,645
Financing:							
Off-budget collections from:							
Federal funds(-):							
11.0001	Unobligated balance available, start of year:		-156		-156		
21.4002	For completion of prior year budget plans						-101,083
24.4002	Unobligated balance available, end of year:						
	For completion of prior year budget plans						
40.0001	Budget authority (Appropriation)		187,035		187,035		37,438

		Family Housing Construction, Air Force		FISCAL YEAR 1995	
		Program and Financing (in Thousands of dollars)		Obligations	
		Budget Plan (amounts for FAMILY HOUSING actions programmed)			
Identification code		1993 actual	1994 est.	1993 actual	1994 est.
57-7040-0-1-051		1995 est.			1995 est.
Program by activities:					
Direct program:					
01.0101	Construction of new housing	181,948			81,995
01.0201	Post Acquisition Construction	51,770			30,410
01.0301	Planning and design	9,275			3,822
		252,993			116,317
01.9101	Total direct program				110
03.0101	Reimbursable Program	110			
10.0001	Total	253,103			116,427
Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)	-110			-110
Unobligated balance available, end of year:					
24.4002	For completion of prior year budget plans				136,876
40.0001	Budget authority (Appropriation)	252,993			252,993

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) SUMMARY

Identification code	57-7040-0-1-051	1993 actual	1994 est.	1995 est.	1993 actual	1994 est.	1995 est.
Program by activities:							
Direct program:							
01-0101	Construction of new housing	102,978	100,064	181,948	75,827	78,705	148,904
01-0201	Post Acquisition Construction	139,649	75,070	61,770	201,348	107,963	69,340
01-0301	Planning and design	7,457	11,901	9,275	8,522	15,595	5,583
01-9101	Total direct program	250,084	187,035	252,993	285,697	202,263	223,827
03-0101	Reimbursable Program	125	156	110	125	156	110
10-0001	Total	250,209	187,191	253,103	285,822	202,419	223,937
Financing:							
Outstanding collections from:							
11-0001	Federal funds(-)	-125	-156	-110	-125	-156	-110
17-0001	Recovery of prior year obligations				-15,798		
21-0001	Unobligated balance available, start of year:				-200,328	-168,144	-152,916
21-4002	For completion of prior year budget plans		-55,102			-55,102	
21-4003	Available to finance new budget plans						
21-4009	Reprogramming from/to prior year budget plans	-12,368					
22-0001	Unobligated balance transferred to other accounts	-10,000			-10,000		
22-4001	Unobligated balance available, start of year:				168,144	152,916	182,082
24-4002	For completion of prior year budget plans				55,102		
24-4003	Available to finance subsequent year budget	55,102			968		
25-0001	Unobligated balance expiring	968					
39-0001	Budget authority	283,786	131,933	252,993	283,786	131,933	252,993
Budget authority:							
40-0001	Appropriation rescinded (unob bal)	283,786	187,035	252,993	283,786	187,035	252,993
40-3601	Appropriation rescinded (unob bal)		-55,102			-55,102	
43-0001	Appropriation (adjusted)	283,786	131,933	252,993	283,786	131,933	252,993
Relation of obligations to outlays:							
71-0001	Obligations incurred				285,697	202,263	223,827
72-0001	Obligated balance, start of year				218,931	334,057	292,266
74-4001	Obligated balance, start of year				-334,057	-292,266	-307,800
77-0001	Adjustments in expired accounts (net)						
78-0001	Adjustments in unexpired accounts				-15,798		
90-0001	Outlays (net)				154,624	244,054	208,293

Family Housing Construction, Air Force
Object Classification (in Thousands of dollars) SUMMARY

Identification code	57-7040-0-1-051	1993 actual	1994 est.	1995 est.
Direct obligations:				
132.001 Land and structures		285,697	202,263	223,827
		285,697	202,263	223,827
199.001 Total Direct obligations				
Reimbursable obligations:				
232.001 Land and structures		125	156	110
299.001 Total Reimbursable obligations		125	156	110
999.901 Total obligations		285,822	202,419	223,937

Family Housing Operations & Debt, AF
Program and Financing (in thousands of dollars)

Identification code	57-7045-0-1-051	1993 actual	1994 est.	1995 est.
Program by activities:				
Direct program:				
02.0101	Operating expenses	327,751	268,683	304,918
02.0201	Leasing	19,058	118,266	112,757
02.0301	Maintenance of real property	497,270	403,972	383,644
02.0501	Mortgage insurance premiums	70	2	2
02.9101	Total direct program	924,156	790,912	801,345
03.0101	Reimbursable program	10,791	11,208	11,139
10.0001	Total obligations	934,947	802,120	812,484
Financing:				
Offsetting collections from:				
11.0001	Grants and funds(-)	-1,225	-2,578	-2,562
14.0001	Non-Federal sources(-)	-9,566	-8,630	-8,577
22.0001	Unobligated balance transferred to other accounts	-10,000		
25.0001	Unobligated balance expiring	13,785		
40.0001	Budget authority (Appropriation)	927,941	790,912	801,345
Relation of obligations to outlays:				
71.0001	Obligations incurred	924,156	790,912	801,345
72.4001	Obligations incurred, end of year	347,931	448,589	343,395
74.4001	Obligated balance, end of year	-448,589	-343,395	-317,147
77.0001	Adjustments in expired accounts (net)	-15,764		
90.0001	Outlays (net)	809,734	894,106	827,593

Family Housing Operations & Debt, AF
Object Classification (in thousands of dollars)

Identification Code	57-7045-0-1-051	1993 actual	1994 est.	1995 est.
Direct obligations:				
121.001	Travel and transportation of persons	3,786	3,827	3,835
122.001	Transportation of things	4,551	4,551	4,139
123.201	Rental payments to others	191,653	149,367	193,589
125.203	Other services with the private sector	274,452	233,019	222,829
125.204	Other charges with the private sector	151,422	151,323	140,400
126.001	Supplies and materials	15,141	54,975	52,589
131.001	Equipment	47,320	18,291	17,496
132.001	Land and structures	208,205	175,785	166,469
143.001	Interest and dividends	24,608		
199.001	Total Direct obligations	924,156	790,912	801,345
Reimbursable obligations:				
225.204	Other services with the private sector	10,791	11,208	11,139
299.001	Other charges with the private sector	10,791	11,208	11,139
999.901	Total Reimbursable obligations	934,947	802,120	812,484

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST

NEW/CURRENT MISSION ACTIVITIES

In compliance with the Senate Appropriations Committee Report (100-380) on the FY 1989 Military Construction Appropriation Act, the Air Force has included the following exhibit that displays construction projects requested in two separate categories: new mission and current mission. "Current mission" projects are these projects that either replace inadequate existing facilities or construct new facilities which are not available to meet current requirements.

NEW CONSTRUCTION

<u>LOCATION</u>	<u>MISSION</u>	<u>NUMBER OF UNITS</u>	<u>REQUESTED APPROPRIATION AMOUNT (\$000)</u>
<u>NEW HOUSING</u>			
Scott AFB IL	New	300	30,000
Pope AFB SC	New	120	14,874
<u>REPLACEMENT HOUSING</u>			
Maxwell AFB AL	Current	25	2,100
Davis Monthan AFB AZ	Current	60	5,940
Beale AFB CA	Current	76	8,842
Edwards AFB CA	Current	34	4,629
Vandenberg AFB CA	Current	128	16,460
Bolling AFB DC	Current	100	9,000
Patrick AFB FL	Current	75	7,145
Mt Home AFB ID	Current	4	881
Mt Home AFB ID	Current	60	5,712
McConnell AFB KS	Current	70	8,322
Barksdale AFB LA	Current	82	8,236
Cannon AFB NM	Current	1	230
Kirtland AFB NM	Current	106	10,058
Holloman AFB NM	Current	76	7,733
Seymour Johnson AFB NC	Current	74	6,025
Shaw AFB SC	Current	3	631

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST

NEW CONSTRUCTION

<u>LOCATION</u>	<u>MISSION</u>	<u>NUMBER OF UNITS</u>	<u>REQUESTED AUTHORIZATION AMOUNT (\$000)</u>
<u>REPLACEMENT HOUSING (CONT'D)</u>			
Dyess AFB TX	Current	59	7,077
Langley AFB VA	Current	148	14,421
Fairchild AFB WA	Current	6	1,035
F.E. Warren AFB WY	Current	106	11,321
<u>SUPPORT FACILITIES</u>			
Whiteman AFB MO	Current Housing Office		567
Grand Forks AFB ND	Current Housing Office		709
NEW MISSION TOTAL			44,874
CURRENT MISSION TOTAL			137,074
IMPROVEMENTS			61,770
PLANNING AND DESIGN			9,275

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST

NEW CONSTRUCTION

Program (In Thousands)
FY 1995 Program \$181,948
FY 1994 Program \$100,064

Purpose and Scope

This program provides for the construction of new homes at locations where off-base assets are not available to provide adequate housing, replacement of existing homes where improvements are not economically feasible, and support facilities at locations where existing facilities are not adequate. Costs reflect all amounts necessary to provide complete and usable facilities.

Program Summary

Authorization is requested for:

Construction of 424 units, replacement of 1289 units of family housing and of 2 support facilities.

A summary of the funding program for FY 1995 follows:

<u>LOCATION</u>	<u>MISSION</u>	<u>NUMBER OF UNITS</u>	<u>REQUESTED AUTH AMOUNT (\$000)</u>
<u>NEW HOUSING</u>			
Scott AFB IL	New	300	30,000
Pope AFB SC	New	120	14,874
<u>REPLACEMENT HOUSING</u>			
Maxwell AFB AL	Current	25	2,100
Davis Monthan AFB AZ	Current	60	5,940
Beale AFB CA	Current	76	8,842
Edwards AFB CA	Current	34	4,629
Vandenberg AFB CA	Current	128	16,460
Bolling AFB DC	Current	100	9,000
Patrick AFB FL	Current	75	7,145
Mt Home AFB ID	Current	4	881
Mt Home AFB ID	Current	60	5,712
McConnell AFB KS	Current	70	8,322
Barksdale AFB LA	Current	82	8,236
Cannon AFB NM	Current	1	230
Kirtland AFB NM	Current	106	10,058

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST

<u>LOCATION</u>	<u>MISSION</u>	<u>NUMBER OF UNITS</u>	<u>REQUESTED AUTH AMOUNT (\$000)</u>
<u>REPLACEMENT HOUSING</u>			
Holloman AFB NM	Current	76	7,733
Seymour Johnson AFB NC	Current	74	6,025
Shaw AFB SC	Current	3	631
Dyess AFB TX	Current	59	7,077
Langley AFB VA	Current	148	14,421
Fairchild AFB WA	Current	6	1,035
F.E. Warren AFB WY	Current	106	11,321
<u>SUPPORT FACILITIES</u>			
Whiteman AFB MO	Current Housing Office		567
Grand Forks AFB ND	Current Housing Office		709
Current Mission Total			137,074
New Mission Total			<u>44,874</u>
Grand Total			181,948

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE	
AIR FORCE									
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST	
MAXWELL AIR FORCE BASE, ALABAMA				AIR EDUCATION AND TRAINING COMMAND				COST INDEX 0.74	
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED	
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL
a. As of 30 SEP 93		973	1600	1466	1556	46	14		
b. End FY 1999		1000	1622	1595	1556	46	14		
								TOTAL	
								5,655	
								5,833	
7. INVENTORY DATA (\$000)									
a. Total Acreage: (3,528)									
b. Inventory Total As Of: (30 SEP 93) 204,118									
c. Authorization Not Yet In Inventory: 11,950									
d. Authorization Requested In This Program: 2,100									
e. Authorization Included In Following Program: (FY 1996) 0									
f. Planned In Next Three Program Years: 0									
g. Remaining Deficiency: 0									
h. Grand Total: 218,168									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995									
CATEGORY					COST		DESIGN STATUS		
CODE	PROJECT TITLE	SCOPE			(\$000)		START	CMPL	
711-142	REPLACE FAMILY HOUSING	25 UN			2,100		TURN KEY		
					TOTAL:		2,100		
9a. Future Projects: Included in the Following Program (FY 1996) NONE									
9b. Future Projects: Typical Planned Next Three Years:									
10. Mission or Major Functions: Headquarters Air University; Air War College; Air Command and Staff College; Squadron Officer School; Officer Training School; Center for Aerospace Doctrine, Research, and Education; Air Force Quality Center; Ira C Baker Center for Professional Development; Air Force Historical Research Agency; Headquarters Air Force Reserve Officer Training Corps; Headquarters Civil Air Patrol; Community College of the Air Force; an air base wing (C-21 aircraft) and an Air Force Reserve airlift group (C-130 aircraft).									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE		
MAXWELL AIR FORCE BASE, ALABAMA				REPLACE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)			
8.87.41	711-142	PNQS954040	2,100			
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE FAMILY HOUSING		UN	25	51,010	1,275	
SUPPORTING FACILITIES					620	
SITE PREPARATION		LS			(116)	
ROADS AND PAVING		LS			(102)	
UTILITIES		LS			(101)	
LANDSCAPING		LS			(101)	
RECREATION		LS			(63)	
DEMOLITION		LS			(138)	
SUBTOTAL					1,895	
CONTINGENCY (5%)					95	
TOTAL CONTRACT COST					1,990	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)					109	
TOTAL REQUEST					2,100	
AREA COST FACTOR		.77				
10. Description of Proposed Construction: Replace 25 family housing units including demolition and all support facilities. Project will construct units with associated carports, storage, patios and privacy fencing. Housing will include heating, cooling, energy conservation features, carpeting and appliances. Supporting facilities include all site preparation, utilities, roads, parking, playground, and landscaping.						
	NET	PROJECT	\$/	NO.		
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST	
JNCO 2BR	950	.79	55	5	206,388	
JNCO 3BR	1200	.79	55	16	834,240	
JNCO 4BR	1350	.79	55	4	234,630	
				25	1,275,258	
11. <u>PROJECT</u> : Replace 25 junior enlisted and student housing units. This project will demolish 27 existing units. (Current Mission)						
<u>REQUIREMENT</u> : Project will provide adequate quarters for Air Force members and their families assigned to this installation. Project includes all work necessary to provide units meeting "whole house/whole neighborhood" criteria.						
<u>CURRENT SITUATION</u> : These Row units were constructed in 1941. The units are not energy efficient and housing density is overcrowded. Play areas for children and toddlers are below standards or nonexistent; presently the youngsters use the streets as playgrounds. Off-street parking does not meet minimum requirement of 2.5 parking spaces per unit or one covered space. Roofs leak during rainy periods, damaging units as well as personal property of occupants. Existing electrical system does not meet						

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING	PNQS954040	
National Electrical Code requirements. All utilities systems have outlived life expectancy and need to be replaced. Expansion is required to alleviate lack of storage, cabinet, and counter space. Units are not compatible to reconfiguration. Kitchens and bathrooms are outdated and require complete renovation and/or replacement. <u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to be housed in unsatisfactory conditions affecting morale, performance, and the retention of quality personnel. <u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives on construction, improvement, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost effective over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR		REPORT CONTROL SYMBOL			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION		1995		DD-A&L (AR) 1716			
5. DATA AS OF 31 JANUARY 1992		a. NAME MAXWELL AIR FORCE BASE		b. LOCATION ADJACENT TO NORTHWEST CORNER OF MONTGOMERY, ALABAMA					
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		2,594	2,812	456	5,864	3,115	2,657	469	6,241
7. PERMANENT PARTY PERSONNEL		1,969	2,462	458	4,909	2,022	2,352	415	4,789
8. GROSS FAMILY HOUSING REQUIREMENTS		1,717	2,222	183	4,122	1,750	1,854	136	3,740
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		403	536	97	1,036				
a. INVOLUNTARILY SEPARATED		33	17	3	53				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED			55		55				
c. UNACCEPTABLE HOUSED IN COMMUNITY		370	464	94	928				
10. VOLUNTARY SEPARATIONS		253	196	11	462	258	189	8	435
11. EFFECTIVE HOUSING REQUIREMENTS		1,464	2,024	172	3,660	1,492	1,685	128	3,305
12. HOUSING ASSETS (a + b)		1,136	1,507	75	2,718	1,136	1,508	75	2,719
a. UNDER MILITARY CONTROL		396	584		980	396	584		980
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		328	569		897	396	584		980
(2) UNDER CONTRACT/APPROVED									
(3) VACANT		68	15		83				
(4) INACTIVE									
b. PRIVATE HOUSING		740	923	75	1,738	740	924	75	1,739
(1) ACCEPTABLY HOUSED		733	919	75	1,727				
(2) ACCEPTABLE VACANT RENTAL		7	4		11				
13. EFFECTIVE HOUSING DEFICIT		328	517	97	942	356	177	53	586
14. PROPOSED PROJECT							25		25
15. REMARKS (SPECIFY ITEM NUMBER)									
ITEM 6 - 13. BASIC DATA WERE EXTRACTED FROM THE FAMILY HOUSING SURVEY OF JANUARY 1992.									

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA						4. COMMAND AIR COMBAT COMMAND				5. AREA CONST COST INDEX 0.96	
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		548	3995	1338	88	381		1	2	17	6,370
b. End FY 1999		746	4145	1408	88	381		1	2	17	6,788
7. INVENTORY DATA (\$000)											
a. Total Acreage: (10,983)											
b. Inventory Total As Of: (30 SEP 93) 250,398											
c. Authorization Not Yet In Inventory: 7,600											
d. Authorization Requested In This Program: 5,940											
e. Authorization Included In Following Program: (FY 1996) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 0											
h. Grand Total: 263,938											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN START		STATUS CMPL	
711-142		REPLACE MILITARY FAMILY HOUSING		60 UN		5,940		TURN		KEY	
						TOTAL:		5,940			
9a. Future Projects: Included in the Following Program (FY 1996) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: Headquarters 12th Air Force; a wing with two fighter training squadrons responsible for training all A-10 aircrews; one air control squadron (OA-10 aircraft), one fighter squadron (A-10 & OA-10 aircraft), and two electronic combat squadrons (EC-130 aircraft); an Air Force Reserve air rescue squadron (HH-60 helicopters); an Air National Guard fighter interceptor detachment (F-16 aircraft); and Air Force Materiel Command's Aerospace Maintenance and Regeneration Center.											

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)				2. DATE	
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA				4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING			
5. PROGRAM ELEMENT 8.87.41		6. CATEGORY CODE 711-142		7. PROJECT NUMBER FBNV950010		8. PROJECT COST(\$000) 5,940	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE MILITARY FAMILY HOUSING							3,794
REPLACE FAMILY HOUSING (PHASE 2)				UN	60	62,330	(3,740)
SOLAR				LS			(54)
SUPPORTING FACILITIES							1,568
SITE PREPARATION				LS			(300)
ROADS AND PAVING				LS			(350)
UTILITIES				LS			(350)
LANDSCAPING AND NEIGHBORHOOD IMPROVMT				LS			(180)
RECREATION				LS			(88)
DEMOLITION (INCLUDES ASBESTOS & LBP)				LS			(300)
SUBTOTAL							5,362
CONTINGENCY (5%)							268
TOTAL CONTRACT COST							5,630
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)							310
TOTAL REQUEST							5,940
AREA COST FACTOR					.90		
10. Description of Proposed Construction: Replace 60 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new single and duplex housing units. Provides standard amenities, to include parking, air conditioning, garages, patios and privacy fencing, and neighborhood playgrounds and recreation areas. Includes asbestos and lead paint removal.							
<u>UNIT TYPE</u>		<u>NET AREA</u>	<u>PROJECT FACTOR</u>	<u>\$/ NSF</u>	<u>NO. UNITS</u>	<u>TOTAL COST</u>	
JNCO	3BR	1200	.89	55	36	2,114,640	
JNCO	4BR	1350	.89	55	20	1,321,650	
JNCO	5BR	1550	.89	55	4	303,490	
					60	3,739,780	
11. <u>PROJECT</u> : Replace 60 Family Housing units. (Current Mission) <u>REQUIREMENT</u> : This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Davis-Monthan AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the second of multiple phases to provide adequate housing for base personnel. Of the units to be replaced in this multi-phase initiative, 72 are completed or included in prior programs. The replacement housing will provide a modern kitchen, living room, family room, and bath configuration, with ample interior and exterior storage and a single car garage. Off-street parking will be provided for a second vehicle. The neighborhood support							

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING	5. PROJECT NUMBER FBNV950010	
infrastructure will be upgraded to meet modern housing needs. Neighborhood enhancements will include landscaping, playgrounds, and recreation areas. CURRENT SITUATION: This project replaces Appropriated housing units which were constructed in 1973 to 1975. These 20+ year old houses are showing the affects of age and continuous heavy use. While these are the newest units on base, they are in the worst condition. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations and exterior pavements require major repair or replacement due to the effects of age and the environment. Pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is outdated, and contains evidence of asbestos. Plumbing and electrical systems are outdated and require abnormal maintenance and repair. Electrical circuits do not meet National Electric Code requirements. Lighting systems throughout the houses are inefficient and do not meet modern needs. Exterior storage is inadequate. There are no patios for outside living/entertaining. Some three and four bedroom units fall short of authorized living space. IMPACT IF NOT PROVIDED: Major morale problems will result because some people will continue to occupy substandard housing while neighbors and friends are in upgraded units. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analyses shows a deficit. Without this and subsequent phases of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was originally found to be the most cost effective. However, since revitalization exceeded 70% of the replacement value, replacement construction was selected. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYYYMMDD)		2. FISCAL YEAR 1995		REPORT CONTROL SYMBOL DD-A&L (AR) 1718	
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME DAVIS-MONTHAN AIR FORCE BASE, ARIZONA				b. LOCATION TUSCON, ARIZONA	
5. DATA AS OF OCTOBER 1992		ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT		PROJECTED	
		OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (a)	E9-E4 (b)
6. TOTAL PERSONNEL STRENGTH		518	2,998	894	4,408	730	3,224
7. PERMANENT PARTY PERSONNEL		518	2,998	894	4,408	730	3,224
8. GROSS FAMILY HOUSING REQUIREMENTS		365	2,199	275	2,839	529	2,372
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		7	92	31	130		
a. INVOLUNTARILY SEPARATED		0	0	0	0		
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0		
c. UNACCEPTABLY HOUSED IN COMMUNITY		7	92	31	130		
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		365	2,199	275	2,839	529	2,372
12. HOUSING ASSETS (a + b)		368	2,152	255	2,775	541	2,339
a. UNDER MILITARY CONTROL		133	1,106	0	1,239	132	1,107
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		133	1,106	0	1,239	132	1,107
(2) UNDER CONTRACT/APPROVED						0	0
(3) VACANT		0	0	0	0		
(4) INACTIVE		0	0	0	0		
b. PRIVATE HOUSING		235	1,046	255	1,536	409	1,232
(1) ACCEPTABLY HOUSED		225	1,001	244	1,470	390	1,173
(2) ACCEPTABLE VACANT RENTAL		10	45	11	66	19	59
13. EFFECTIVE HOUSING DEFICIT		5	47	20	64	12	33
14. PROPOSED PROJECT							
15. REMARKS (SPECIFY ITEM NUMBER)						60	60

ITEMS 1-13: INFORMATION REPORTED IN THIS TABLE IS TAKEN FROM HOUSING MARKET ANALYSIS, SEPTEMBER 1992
ITEM 13: SURPLUSES NOTED IN ()

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX		
BEALE AIR FORCE BASE, CALIFORNIA				AIR COMBAT COMMAND				1.24		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		465	2823	417				1	1	3,707
b. End FY 1999		457	3027	440				1	1	3,926
7. INVENTORY DATA (\$000)										
a. Total Acreage: (22,944)										
b. Inventory Total As Of: (30 SEP 93) 182,134										
c. Authorization Not Yet In Inventory: 14,200										
d. Authorization Requested In This Program: 8,842										
e. Authorization Included In Following Program: (FY 1996) 0										
f. Planned In Next Three Program Years: 0										
g. Remaining Deficiency: 0										
h. Grand Total: 205,176										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE			SCOPE		COST (\$000)		DESIGN STATUS START CMPL	
711-142		REPLACE FAMILY HOUSING			76 UN		8,842		TURN KEY	
					TOTAL:		8,842			
9a. Future Projects: Included in the Following Program (FY 1996) NONE										
9b. Future Projects: Typical Planned Next Three Years:										
10. Mission or Major Functions: A flying wing which includes two reconnaissance squadrons (U-2 and T-38 aircraft); the Air Force Combat Ammunition Center; an air refueling squadron (KC-135 aircraft); and an Air Force Space Command missile warning squadron which operates one of the Phased Array Warning System (Pave PAWS) radars.										

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE						
3. INSTALLATION AND LOCATION				4. PROJECT TITLE		
BEALE AIR FORCE BASE, CALIFORNIA				REPLACE MILITARY FAMILY HOUSING (PHASE 1)		
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST(\$000)
8.87.41		711-142		BAEY951005		8,842
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
FAMILY HOUSING						5,552
REPLACE FAMILY HOUSING, PHASE 1				UN	76	(5,364)
SOLAR				LS		(188)
SUPPORTING FACILITIES						2,430
SITE PREPARATION				LS		(293)
ROADS AND PAVING				LS		(391)
UTILITIES				LS		(439)
LANDSCAPING AND NEIGHBORHOOD IMPROVMENT				LS		(195)
RECREATION				LS		(100)
GARAGE AND STORAGE				LS		(480)
DEMOLITION (INCLUDES ASBESTOS & LBP)				LS		(532)
SUBTOTAL						7,982
CONTINGENCY (5%)						399
TOTAL CONTRACT COST						8,381
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)						461
TOTAL REQUEST						8,842
AREA COST FACTOR				1.24		
10. Description of Proposed Construction: Replace 76 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new single and duplex housing units. Provides standard amenities, to include parking, air conditioning, garages, patios and privacy fencing, and neighborhood playgrounds and recreation areas. Includes asbestos and lead paint removal.						
UNIT TYPE		NET AREA	PROJECT FACTOR	\$/NSF	NO. UNITS	TOTAL COST
JNCO 2BR	950	1.26	55	63	4,147,605	
JNCO 4BR	1350	1.26	55	13	1,216,215	
					76	5,363,820
11. PROJECT: Replace 76 Family Housing units. (Current Mission)						
REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Beale AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to provide adequate housing for base personnel. There are a total of 1708 housing units to be upgraded/replaced in this multi-phased initiative. The replacement housing will provide a modern kitchen, living room, family room, and bath configuration, with ample interior and exterior storage and a single car garage. Off-street parking will be provided for a second vehicle. The basic neighborhood support infrastructure will be upgraded to meet modern housing needs. Neighborhood enhancements will include						

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BEALE AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE MILITARY FAMILY HOUSING (PHASE 1)	BAEY951005	
landscaping, playgrounds, and recreation areas. <u>CURRENT SITUATION:</u> This project replaces Capehart housing units which are over 30 years old and are showing the affects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations and exterior pavements require major repair or replacement due to the effects of age and the environment. Roof structures show signs of rot; leaks have made already inadequate (by todays standards) insulation even less effective. Foundations and pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. There is no space for a dishwasher. Flooring throughout the house is outdated, and contains evidence of asbestos. Plumbing and electrical systems are outdated and require abnormal maintenance and repair. Electrical circuits do not meet National Electric Code requirements. Lighting systems throughout the houses are inefficient and do not meet modern needs. Heating and air conditioning systems require upgrade or replacement. Rain run-off currently "ponds" under many of the houses resulting in moisture deterioration. <u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to live in extremely outdated, substandard and unsatisfactory housing. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analyses shows a housing deficit of approximately 100 units. Without this and subsequent phases of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Mandbook 1190, "Facility Planning and Design Guide". Since, this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was originally found to be the most cost effective. However, since revitalization exceeded 70% of the replacement value of the houses, replacement construction was selected as the best option in accordance with current OSD and Congressional policy. Updated improvement costs represent 72.5% of FY95 Replacement estimates.		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR 1985		REPORT CONTROL SYMBOL DD-A&L (AR) 1716			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME		5. LOCATION					
5. DATA AS OF June 1980		BEALE AIR FORCE BASE, CALIFORNIA		TEN MILES EAST OF MARTYSVILLE, CALIFORNIA					
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		574	2,809	987	4,170	1,414	2,404	1,040	4,858
7. PERMANENT PARTY PERSONNEL		574	2,809	987	4,170	1,414	2,404	1,040	4,858
8. GROSS FAMILY HOUSING REQUIREMENTS		480	1,791	330	2,599	529	1,586	309	2,424
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		104	120	37	261				
a. INVOLUNTARILY SEPARATED		2	10	7	19				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLY HOUSED IN COMMUNITY		102	110	30	242				
10. VOLUNTARY SEPARATIONS		11	109	12	132	12	96	11	119
11. EFFECTIVE HOUSING REQUIREMENTS		458	1,882	327	2,467	517	1,490	298	2,305
12. HOUSING ASSETS (a + b)		371	1,817	297	2,285	378	1,842	82	2,302
a. UNDER MILITARY CONTROL		211	1,286	215	1,712	211	1,501	0	1,712
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		180	1,242	215	1,856	0	0	0	0
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		12	44	0	56				
b. PRIVATE HOUSING		160	331	82	573	167	341	82	590
(1) ACCEPTABLY HOUSED		155	320	75	550	167	341	82	590
(2) VACANT RENTAL HOUSING		5	11	7	23	0	0	0	0
13. EFFECTIVE HOUSING DEFICIT		87	85	30	182	139	352	216	3
14. PROPOSED PROJECT							76		76
15. REMARKS (SPECIFY ITEM NUMBER)									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST		
EDWARDS AIR FORCE BASE, CALIFORNIA				AIR FORCE				COST INDEX		
				MATERIEL COMMAND				1.38		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		658	3610	3376						
b. End FY 1999		622	3149	3583	11			29	20	112
										7,644
										7,526
7. INVENTORY DATA (\$000)										
a. Total Acreage: (301,928)										
b. Inventory Total As Of: (30 SEP 93) 653,456										
c. Authorization Not Yet In Inventory: 62,400										
d. Authorization Requested In This Program: 4,629										
e. Authorization Included In Following Program: (FY 1996) 0										
f. Planned In Next Three Program Years: 0										
g. Remaining Deficiency: 0										
h. Grand Total: 720,485										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START	CMPL	
711-142	REPLACE FAMILY HOUSING			34 UN		4,629		TURN KEY		
						TOTAL:	4,629			
9a. Future Projects: Included in the Following Program (FY 1996) NONE										
9b. Future Projects: Typical Planned Next Three Years:										
10. Mission or Major Functions: Air Force Flight Test Center which is responsible for flight test activities for all USAF aircraft and related avionics, flight control, and weapons systems (primary test aircraft include B-1, B-2, C-17, C-23, F-15, F-16, F-117, F-22, AC-130, OA-37, T-38 & UH-1); Air Force Test Pilot School; and Astronautics Directorate of the Phillips Laboratory. Major tenants include US Army Aviation Engineering Activity; NASA Ames Dryden Flight Research Facility; and Jet Propulsion Laboratory test facility. Also, a landing site for the space shuttle.										

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE						
3. INSTALLATION AND LOCATION			4. PROJECT TITLE			
EDWARDS AIR FORCE BASE, CALIFORNIA			REPLACE FAMILY HOUSING			
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER		8. PROJECT COST(\$000)	
8.87.41		711-142	FSPM954501C		4,629	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
FAMILY HOUSING		UN	34	86,284	2,934	
SUPPORTING FACILITIES					1,245	
SITE PREPARATION		LS			(205)	
ROADS AND PAVING		LS			(370)	
UTILITIES		LS			(230)	
LANDSCAPING		LS			(43)	
DEMOLITION		LS			(33)	
ASBESTOS ABATEMENT		LS			(364)	
SUBTOTAL					4,179	
CONTINGENCY (5%)					209	
TOTAL CONTRACT COST					4,388	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)					241	
TOTAL REQUEST					4,629	
AREA COST FACTOR		1.38				
10. Description of Proposed Construction: Replace 34 Wherry JNCO units. Construct housing units with gable roofs, road/sidewalks, driveway, attached garage, and exterior wooden storage shed. Install roof-mounted evaporator coolers, paint interior, exterior and color coat stucco. Includes electrical, mechanical, structural, and architectural work. Provide irrigation system in common areas. Demolish 34 existing units.						
		NET	PROJECT	\$/	NO.	
<u>UNIT TYPE</u>	<u>AREA</u>	<u>FACTOR</u>	<u>NSF</u>		<u>UNITS</u>	<u>TOTAL COST</u>
JNCO 2BR	950	1.43	55		14	1,046,045
JNCO 3BR	1200	1.43	55		20	1,887,600
					34	2,933,645
11. <u>PROJECT</u> : Replace 34 Wherry Family Housing units. (Current Mission) <u>REQUIREMENT</u> : This project is required to provide quality of life improvements and energy efficient housing units to the existing area to enhance standards of livability for the residents. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. <u>CURRENT SITUATION</u> : These family housing units were originally built in the 1950's. They have not received any major renovations since that time period. The two bedroom units are more than 120 Net Square Feet under the authorized net floor area. The three bedroom units lack entry foyers and have at least one undersized bedroom. The harsh environment has taken its toll and the units have deteriorated beyond economical repair. Asbestos-containing building materials contribute significantly to the extremely high repair cost. The exteriors of these facilities have						

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING	FSPM954501C	
deteriorated to the point that all wooden surfaces need to be replaced. Plumbing and electrical systems are in such poor repair that constant maintenance is required to maintain operability. This housing area is very congested and presents a traffic flow safety hazard when cars park on the streets. Irrigation systems in common areas are required to provide a useable and aesthetic environment for the neighborhood. <u>IMPACT IF NOT PROVIDED:</u> The harsh desert environment will continue to take its toll on these old and deteriorated units. Asbestos will continue to limit maintainability and future repair costs will be exorbitant due to environmental abatement requirements. Exterior surfaces will continue to deteriorate and huge maintenance costs will be incurred. The Air Force Flight Test Center will have an increasingly difficult time meeting energy conservation goals. Mechanical and electrical systems will continue to deteriorate, adding to the already heavy workload and high cost to maintain. The units will become uninhabitable. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost effective over the life of the project.		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR 1995		REPORT CONTROL SYMBOL DD-A&L (AR) 1716			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME EDWARDS AIR FORCE BASE CALIFORNIA		b. LOCATION 100 MILES NORTH OF LOS ANGELES					
5. DATA AS OF JUNE, 1992									
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (a)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		876	3,566	620	5,062	766	3,196	555	4,517
7. PERMANENT PARTY PERSONNEL		876	3,566	620	5,062	766	3,196	555	4,517
8. GROSS FAMILY HOUSING REQUIREMENTS		652	2,805	176	3,833	569	2,506	150	3,225
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		92	421	46	559				
a. INVOLUNTARILY SEPARATED		1	8	9	19				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY		91	412	37	540				
10. VOLUNTARY SEPARATIONS		25	112	20	157	22	100	18	140
11. EFFECTIVE HOUSING REQUIREMENTS		627	2,893	156	3,476	547	2,406	132	3,056
12. HOUSING ASSETS (a + b)		543	2,306	116	2,965	486	2,074	88	2,648
a. UNDER MILITARY CONTROL		410	1,549	30	1,989	410	1,579	0	1,989
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		410	1,549	30	1,989	410	1,579	0	1,989
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		133	757	86	976	78	495	88	659
(1) ACCEPTABLY HOUSED		125	723	80	928				
(2) ACCEPTABLE VACANT RENTAL		8	34	6	48				
13. EFFECTIVE HOUSING DEFICIT		84	387	40	511	61	332	44	437
14. PROPOSED PROJECT							34		34
15. REMARKS									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA				4. COMMAND AIR FORCE SPACE COMMAND				5. AREA CONST COST INDEX 1.36		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		667	2650	1226						
b. End FY 1999		609	2269	1223						
7. INVENTORY DATA (\$000)										
a. Total Acreage: (98,830)										
b. Inventory Total As Of: (30 SEP 93) 1,109,649										
c. Authorization Not Yet In Inventory: 15,650										
d. Authorization Requested In This Program: 16,460										
e. Authorization Included In Following Program: (FY 1996) 0										
f. Planned In Next Three Program Years: 0										
g. Remaining Deficiency: 0										
h. Grand Total: 1,141,759										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN	STATUS					
CODE				START	CMPL					
711-142	REPLACE FAMILY HOUSING	128 UN	16,460	TURN KEY						
		TOTAL:	16,460							
9a. Future Projects: Included in the Following Program (FY 1996) NONE										
9b. Future Projects: Typical Planned Next Three Years:										
10. Mission or Major Functions: Headquarters Fourteenth Air Force; a space wing (UH-1 helicopters); and an Air Education and Training Command space and missile training squadron.										

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)				2. DATE																															
AIR FORCE																																					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE																																		
VANDENBERG AIR FORCE BASE, CALIFORNIA			REPLACE FAMILY HOUSING																																		
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER		8. PROJECT COST (\$000)																																
8.87.41		711-142	XUMU924014P2		16,460																																
9. COST ESTIMATES																																					
ITEM		U/H	QUANTITY	UNIT COST	COST (\$000)																																
REPLACE CAPEHART HOUSING, PHASE 2		UN	128	78,746	10,079																																
SUPPORTING FACILITIES					4,780																																
SITE PREPARATION		LS			(675)																																
ROADS AND PAVING		LS			(852)																																
UTILITIES		LS			(2,000)																																
LANDSCAPING		LS			(462)																																
RECREATION		LS			(158)																																
SPECIAL CONSTRUCTION FEATURES		LS			(120)																																
OTHER (SPECIFY) ASBESTOS/LEAD PAINT		LS			(513)																																
SUBTOTAL					14,859																																
CONTINGENCY (5%)					743																																
TOTAL CONTRACT COST					15,602																																
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)					858																																
TOTAL REQUEST					16,460																																
AREA COST FACTOR		1.36																																			
10. Description of Proposed Construction: Replace 128 family housing units. Demolish existing units and reconstruct on existing foundations. Includes site preparation, landscaping, improved parking, new mechanical and electrical systems, patios with privacy fencing, neighborhood improvements to include playgrounds, sidewalks and recreational areas. New units will also receive new appliances. <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">UNIT TYPE</th> <th style="text-align: right;">NET AREA</th> <th style="text-align: right;">PROJECT FACTOR</th> <th style="text-align: right;">\$/NSF</th> <th style="text-align: right;">NO. UNITS</th> <th style="text-align: right;">TOTAL COST</th> </tr> </thead> <tbody> <tr> <td>JNCO 2BR</td> <td style="text-align: right;">950</td> <td style="text-align: right;">1.35</td> <td style="text-align: right;">55</td> <td style="text-align: right;">78</td> <td style="text-align: right;">5,501,925</td> </tr> <tr> <td>JNCO 3BR</td> <td style="text-align: right;">1200</td> <td style="text-align: right;">1.35</td> <td style="text-align: right;">55</td> <td style="text-align: right;">39</td> <td style="text-align: right;">3,474,900</td> </tr> <tr> <td>JNCO 4BR</td> <td style="text-align: right;">1350</td> <td style="text-align: right;">1.35</td> <td style="text-align: right;">55</td> <td style="text-align: right;">11</td> <td style="text-align: right;">1,102,613</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">128</td> <td style="text-align: right;">10,079,438</td> </tr> </tbody> </table>								UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSF	NO. UNITS	TOTAL COST	JNCO 2BR	950	1.35	55	78	5,501,925	JNCO 3BR	1200	1.35	55	39	3,474,900	JNCO 4BR	1350	1.35	55	11	1,102,613					128	10,079,438
UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSF	NO. UNITS	TOTAL COST																																
JNCO 2BR	950	1.35	55	78	5,501,925																																
JNCO 3BR	1200	1.35	55	39	3,474,900																																
JNCO 4BR	1350	1.35	55	11	1,102,613																																
				128	10,079,438																																
11. <u>PROJECT</u>: Replace 128 Junior NCO Family Housing units. (Current Mission) <u>REQUIREMENT</u>: This project is required to provide modern and efficient replacement housing for military members and their dependents. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. <u>CURRENT SITUATION</u>: These units are over 30 years old and have deteriorated to the point where replacement is the most economical alternative. Wiring and fixtures have been identified by the Fire Department and Base Safety as a fire hazard; wiring is brittle and exposed in many units. Plumbing systems have succumbed to the effects of hard water and corrosion, resulting in severe constriction and pipe leakage. Plumbing fixtures are worn and unattractive. Main and master baths are																																					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VANDENBERG AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING	XUMU924014P2	
deteriorated and outdated, having shower enclosures and medicine cabinets which are corroded, discolored, and pitted. The unit floor plans are ineffecient and produce a poor fuctional layout for families to live. <u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to be housed in substandard quarters with electrical and mechanical systems that do not meet US building codes or standards. Extremely high operations and maintenance costs will continue to be incurred due to the age and deterioration of the building systems including, door and window hardware, roofing systems, mechanical and electrical systems, flooring, and insufficient roof and wall insulation. The units will eventually become uninhabitable. Morale and retention of the members and families will continue to negatively impact mission accomplishment. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost effective over the life of the project.		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR 1995		REPORT CONTROL SYMBOL DD-A&L(AF)1716	
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME VANDENBERG AIR FORCE BASE				b. LOCATION ELEVEN MILES NORTH OF LOMPOC, CALIFORNIA	
5. DATA AS OF 31 JANUARY 1992		ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT		PROJECTED	
		OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)	OFFICER (e)	E9-E4 (f)
6. TOTAL PERSONNEL STRENGTH		820	2,145	520	3,485	646	1,698
7. PERMANENT PARTY PERSONNEL		703	2,145	520	3,368	646	1,698
8. GROSS FAMILY HOUSING REQUIREMENTS		572	1,611	174	2,557	497	1,386
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		6	146	2	154		
a. INVOLUNTARILY SEPARATED				5	7		
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED			135		135		
c. UNACCEPTABLE HOUSED IN COMMUNITY		6	6		12		
10. VOLUNTARY SEPARATIONS		6	80	3	89	5	66
11. EFFECTIVE HOUSING REQUIREMENTS		566	1,731	171	2,468	492	1,320
12. HOUSING ASSETS (a + b)		591	1,619	171	2,381	817	1,767
a. UNDER MILITARY CONTROL		483	1,340	168	1,971	485	1,486
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		434	1,309	168	1,911	485	1,466
(2) UNDER CONTRACT/APPROVED							
(3) VACANT		29	31		60		
(4) INACTIVE							
b. PRIVATE HOUSING		128	279	3	410	132	281
(1) ACCEPTABLY HOUSED		128	276	1	403		
(2) ACCEPTABLE VACANT RENTAL		2	3	2	7		
13. EFFECTIVE HOUSING DEFICIT		-25	112		87	-125	-447
14. PROPOSED PROJECT							128
15. REMARKS		ITEM 6 - 13. BASIC DATA WERE EXTRACTED FROM THE FAMILY HOUSING SURVEY OF JANUARY 1992.					

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
BOLLING AIR FORCE BASE, DISTRICT OF COLUMBIA				AIR FORCE DISTRICT OF WASHINGTON				COST INDEX 1.03			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		566	1517	978	392	390	80	210	1222		5,355
b. End FY 1999		559	1432	948	392	390	80	210	1222		5,233
7. INVENTORY DATA (\$000)											
a. Total Acreage: (607)											
b. Inventory Total As Of: (30 SEP 93) 241,941											
c. Authorization Not Yet In Inventory: 9,400											
d. Authorization Requested In This Program: 9,000											
e. Authorization Included In Following Program: (FY 1996) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 16,800											
h. Grand Total: 277,141											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
711-142	REPLACE FAMILY HOUSING				100 UN	9,000		TURN KEY			
						TOTAL:	9,000				
9a. Future Projects: Included in the Following Program (FY 1996) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: Supports Air Force personnel in the National Capitol Region. Headquarters USAF functions include Chief of Chaplains, Surgeon General, and Historian; Headquarters Air Force Office of Special Investigation; Air Force Office of Scientific Research; Air Force Legal Services Agency; Air Force Medical Support Agency; USAF Band; and USAF Honor Guard. Major tenants include the Defense Intelligence Agency.											

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE		
3. INSTALLATION AND LOCATION BOLLING AIR FORCE BASE WASHINGTON, DISTRICT OF COLUMBIA			4. PROJECT TITLE REPLACE FAMILY HOUSING			
5. PROGRAM ELEMENT 7.87.41		6. CATEGORY CODE 711-142	7. PROJECT NUMBER BXUR954000	8. PROJECT COST(\$000) 9,000		
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE FY70 APPROPRIATED FAMILY HSG			UN	100	72,397	7,240
SUPPORTING FACILITIES						885
SITE PREPARATION			LS			(126)
ROADS AND PAVING			LS			(137)
UTILITIES			LS			(190)
LANDSCAPING			LS			(27)
SPECIAL CONSTRUCTION FEAT. (CW LINES)			LS			(184)
OTHER (DEMO./LEAD BASED PAINT/ASBESTOS)			LS			(221)
SUBTOTAL						8,125
CONTINGENCY (5%)						406
TOTAL CONTRACT COST						8,531
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)						469
TOTAL REQUEST						9,000
AREA COST FACTOR			1.05			
10. Description of Proposed Construction: Demolish 100 existing housing units and replace with 100 new units. Provide interior utilities, fixtures, finishes, handicap adaptability, and fire protection. Alter existing infrastructure to accommodate new housing site. Provide landscaping and handicap curb access. Provide a cohesive blend of new walks and common areas to existing.						
UNIT TYPE	NET AREA	PROJECT FACTOR	S/ NSF	NO. UNITS	TOTAL COST	
JNCO 3BR	1200	1.02	55	49	3,298,680	
JNCO 4BR	1350	1.02	55	26	1,969,110	
SNCO 3BR	1350	1.02	55	11	833,085	
SNCO 4BR	1450	1.02	55	14	1,138,830	
				100	7,239,705	
11. PROJECT: This project will replace 100 NCO housing units and improve neighborhood common areas to support the "current mission".						
REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan.						
CURRENT SITUATION: These housing units were constructed in 1975 under strict budget constraints and lack the quality and amenities required to meet current standards. The units are undersized and do not have adequate bathrooms, secondary eating areas, and private exterior living areas. Current floor layouts are not functional and do not allow maximum use of available space. The units are not in compliance with current fire						

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BOLLING AIR FORCE BASE WASHINGTON, DISTRICT OF COLUMBIA		
4. PROJECT TITLE		5. PROJECT NUMBER
REPLACE FAMILY HOUSING		BXUR954000
protection and handicap laws. Condensing units were installed during original construction in 1975 and require frequent repairs to keep them operational. Carports require remedial repairs to eliminate rotted wood damage and preserve the structures. Proper entrance walks and landscaping is required to clearly define front entrances and redirect the focal point from carport structures to the front entrances. <u>IMPACT IF NOT PROVIDED:</u> Failure to correct deficiencies and meet current safety and health standards, compromises health and safety of the occupants and impacts quality of life, government resources and inadvertently impacts mission readiness. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost effective over the life of the project.		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR 1995		REPORT CONTROL SYMBOL DD-A&L(AF)1718			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME Bolling Air Force Base, District of Columbia				b. LOCATION Washington DC			
5. DATA AS OF July, 1993									
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (e)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		5,294	3,887	353	9,534	5,294	3,889	371	9,534
7. PERMANENT PARTY PERSONNEL		5,294	3,887	353	9,534	5,294	3,889	371	9,534
8. GROSS FAMILY HOUSING REQUIREMENTS		4,192	2,725	56	6,973	4,147	2,686	59	6,892
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		1,570	1,044	15	2,629				
a. INVOLUNTARILY SEPARATED		29	23	0	52				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY		1,541	1,021	15	2,577				
10. VOLUNTARY SEPARATIONS		79	100	2	181	79	101	2	182
11. EFFECTIVE HOUSING REQUIREMENTS		4,113	2,625	54	6,792	4,068	2,585	57	6,710
12. HOUSING ASSETS (a + b)		2,613	1,605	40	4,258	2,563	1,750	40	4,353
a. UNDER MILITARY CONTROL		190	785	15	990	289	1,082	33	1,404
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		190	785	15	990	191	766	33	990
(2) UNDER CONTRACT/APPROVED						98	318	0	414
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		2,423	820	25	3,268	2,274	868	7	2,949
(1) ACCEPTABLY HOUSED		2,353	796	24	3,173				
(2) ACCEPTABLE VACANT RENTAL		70	24	1	95				
13. EFFECTIVE HOUSING DEFICIT		1,500	1,020	14	2,534	1,505	835	17	2,357
14. PROPOSED PROJECT							100		100
15. REMARKS									
12a Excludes 405 MFH units designated to end occupied by Navy personnel at Bolling AFB. These units are not considered in the effective housing deficit.									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST		
PATRICK AIR FORCE BASE, FLORIDA				AIR FORCE				COST INDEX		
				SPACE COMMAND				0.98		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		473	2317	1054				33	531	15
b. End FY 1999		462	1704	960				33	531	15
7. INVENTORY DATA (\$000)										
a. Total Acreage: (2,341)										
b. Inventory Total As Of: (30 SEP 93) 148,294										
c. Authorization Not Yet In Inventory: 7,700										
d. Authorization Requested In This Program: 7,145										
e. Authorization Included In Following Program: (FY 1996) 0										
f. Planned In Next Three Program Years: 0										
g. Remaining Deficiency: 0										
h. Grand Total: 163,139										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START	Cmpl	
711-142	REPLACE FAMILY HOUSING			75 UN		7,145		TURN KEY		
				TOTAL:		7,145				
9a. Future Projects: Included in the Following Program (FY 1996) NONE										
9b. Future Projects: Typical Planned Next Three Years:										
10. Mission or Major Functions: A space wing; the Air Force Technical Applications Center; and two Air Combat Command air rescue squadrons (HH-60 helicopters and HC-130 aircraft). Also, the temporary beddown location for the Air Force Reserve air rescue squadron (HH-60 helicopters and HC-130 aircraft) from Homestead AFB, FL. Major tenants include the DOD Equal Opportunity Management Institute and a State Department aviation unit.										

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
AIR FORCE	(computer generated)				
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
PATRICK AIR FORCE BASE, FLORIDA			REPLACE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.41	711-142	SXHT954005	7,145		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE CENTRAL WHERRY HSG, PHASE III	UN	75	62,062	4,655	
SUPPORTING FACILITIES				1,795	
ASBESTOS ABATEMENT	LS			(393)	
SITE PREPARATION	LS			(142)	
ROADS AND PAVING	LS			(138)	
UTILITIES	LS			(303)	
LANDSCAPING	LS			(122)	
GARAGES/DEMOLITION (96 UNITS)	LS			(697)	
SUBTOTAL				6,450	
CONTINGENCY (5%)				323	
TOTAL CONTRACT COST				6,773	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				373	
TOTAL REQUEST				7,145	
AREA COST FACTOR		.91			
10. Description of Proposed Construction: Replace 75 family housing units with attached or semi-attached garages in the Central housing areas. This project will also include neighborhood improvements. The existing units will be demolished. Housing units will include heating, cooling, appliances, garages, patios, and storage.					
UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSF	NO. UNITS	TOTAL COST
JNCO 3BR	1200	.91	55	55	3,303,300
SNCO 3BR	1350	.91	55	20	1,351,350
				75	4,654,650
11. <u>PROJECT</u> : Replace 75 junior enlisted and junior NCO family housing units. (Current Mission)					
<u>REQUIREMENT</u> : Project is required to provide adequate quarters for enlisted members and their families assigned to Patrick Air Force Base and Cape Canaveral Air Force Station. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan.					
<u>CURRENT SITUATION</u> : The Patrick AFB units were constructed between 1952 and 1958. The built-up gravel roofs are over 15 years old and have deteriorated to where they must be replaced. The exterior walls are concrete and stucco and have developed cracks that allow water/moisture intrusion to the interiors. Many of the wood porch components have deteriorated and the porches have been removed to prevent a safety hazard to the occupants. The infrastructure (sewer, water, electrical) have deteriorated beyond economic repair. The plumbing, electrical and					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
PATRICK AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING	SXHT954005	
heating/air condition systems inside the units have also deteriorated beyond economic repair. All units have asbestos in the tiles, walls, ceilings, and exterior, and all units contain lead base paint. <u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to be housed in unsatisfactory conditions, affecting morale and the retention of quality personnel. Ultimately, the mission of Patrick AFB would be degraded. The Air Force will continue to pay excessive maintenance and energy costs due to the age and deterioration of the existing building systems. The units will eventually become uninhabitable. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost effective over the life of the project.		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR 1985		REPORT CONTROL SYMBOL DD-A&L (AR) 1716			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION							
5. DATA AS OF MARCH 1991		a. NAME PATRICK AIR FORCE BASE			b. LOCATION THREE MILES SOUTH OF COCOA BEACH, FLORIDA				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (a)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		667	2,431	447	3,545	665	2,448	397	3,510
7. PERMANENT PARTY PERSONNEL		667	2,431	447	3,545	665	2,448	397	3,510
8. GROSS FAMILY HOUSING REQUIREMENTS		500	1,791	167	2,458	499	1,716	145	2,360
9. TOTAL UNACCEPTABLE HOUSE (a + b + c)		29	206	7	242				
a. INVOLUNTARILY SEPARATED			4	3	7				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED			105		105				
c. UNACCEPTABLE HOUSED IN COMMUNITY		29	97	4	130				
10. VOLUNTARY SEPARATIONS		9	95	10	114	9	94	6	111
11. EFFECTIVE HOUSING REQUIREMENTS		491	1,696	157	2,344	490	1,622	137	2,249
12. HOUSING ASSETS (a + b)		467	1,517	150	2,134	466	1,498	137	2,101
a. UNDER MILITARY CONTROL		168	1,245	140	1,553	168	1,248	137	1,553
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		167	1,222	140	1,529	168	1,248	137	1,553
(2) UNDER CONTRACT/APPROVED									
(3) VACANT		1	23		24				
(4) INACTIVE									
b. PRIVATE HOUSING		299	272	10	581	298	250		548
(1) ACCEPTABLY HOUSED		295	268	10	573				
(2) ACCEPTABLE VACANT RENTAL		4	4		8				
13. EFFECTIVE HOUSING DEFICIT		24	179	7	210	24	124		148
14. PROPOSED PROJECT							75		75
15. REMARKS (SPECIFY ITEM NUMBER)									
ITEM 6 - 13. BASIC DATA WERE EXTRACTED FROM THE HOUSING MARKET ANALYSIS OF MARCH 91.									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
MOUNTAIN HOME AIR FORCE BASE, IDAHO				AIR COMBAT COMMAND				1.15			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		339	2826	449	58	55	15			3	3,745
b. End FY 1999		352	2767	491		6				3	3,619
7. INVENTORY DATA (\$000)											
a. Total Acreage: (10,057)											
b. Inventory Total As Of: (30 SEP 93) 194,868											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 6,593											
e. Authorization Included In Following Program: (FY 1996) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 0											
h. Grand Total: 201,461											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
711-142	REPLACE FAMILY HOUSING				60 UN	5,712		TURN KEY			
711-142	CONSTRUCT SENIOR OFFICER HOUSING				4 UN	881		TURN KEY			
						TOTAL:		6,593			
9a. Future Projects: Included in the Following Program (FY 1996) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: An air intervention composite wing which includes F-16, F-15, and KC-135 aircraft.											

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE						
3. INSTALLATION AND LOCATION				4. PROJECT TITLE		
MOUNTAIN HOME AIR FORCE BASE, IDAHO				CONSTRUCT SENIOR OFFICER HOUSING		
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER		8. PROJECT COST(\$000)	
8.87.41		711-142	QYZH955007		881	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CONSTRUCT SENIOR OFFICER HOUSING	UN	4	123,284	493
SUPPORTING FACILITIES				302
SITE PREPARATION	LS			(50)
ROADS AND PAVING	LS			(75)
UTILITIES	LS			(60)
LANDSCAPING AND NEIGHBORHOOD IMPROVMT	LS			(40)
GARAGES AND STORAGE	LS			(65)
DEMOLITION	LS			(12)
SUBTOTAL				795
CONTINGENCY (5%)				40
TOTAL CONTRACT COST				835
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				46
TOTAL REQUEST				881
AREA COST FACTOR 1.10				

10. Description of Proposed Construction: Construct one General Officer and three Senior Officer houses with all necessary support. Project includes double garages, air conditioning, storage, covered patios, fireplaces, and all amenities. Project also includes sitework to develop anew senior officer housing area, utilities, roads, parking, walkways, and landscaping.

UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSF	NO. UNITS	TOTAL COST
SGO 4BR	1700	1.21	55	3	339,405
GOQ 4BR	2310	1.21	55	1	153,731
				4	493,136

11. PROJECT: Construct one General Officer and three Senior Officer houses. (Current Mission)

REQUIREMENT: Provide modern and efficient four bedroom housing appropriate for family living and the entertainment responsibilities of the installation commander and senior command staff. The housing and housing environment must provide the amenities comparable to that found in off-base communities. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan.

CURRENT SITUATION: The base has a shortage of adequate senior officer housing. Three senior officers are currently living in houses designated and required for field and company grade officers. Four existing Senior Officer Quarters are substandard and do not meet requirements. Use of Field/Company grade housing denies adequate housing to other personnel, but provides necessary housing for the critical senior staff. The

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MOUNTAIN HOME AIR FORCE BASE, IDAHO		
4. PROJECT TITLE	5. PROJECT NUMBER	
CONSTRUCT SENIOR OFFICER HOUSING	QYZH955007	
existing GOQ unit does not meet standards, nor can it feasibly be altered to do so. It was constructed in 1959 on concrete slab, with wood frame and flat roof. This GOQ (Installation Commander) unit is 1950 net sq ft, verses the authorized 2,310 net sq ft. Besides being too small, the house is poorly configured for day-to-day living and the entertainment responsibilities of the Commander. Site constraints have resulted in an extremely long, narrow (99ft x 28ft) house, with limited backyard privacy due to the shallow yard and close proximity of other houses. The house is in need of major upgrade and expansion to meet GOQ standards. Initial plans to improve and expand the house (approved in the FY 93 Improvement Program) were determined to be economically infeasible in the early stages of design. There simply is no place to logically add 360 sf of living area. There is no room at the front or rear of the house to accommodate an addition. Furthermore, due to structural constraints, any addition would necessitate complete replacement of the roof structure which greatly adds to the cost of renovation. The house is adequate to help satisfy an existing deficit of senior officer housing. The "whole house" improvements necessary for retention of the existing GOQ (as an SOQ) and remaining four SOQs will be addressed in a future program. <u>IMPACT IF NOT PROVIDED:</u> The base will continue to have substandard housing to support senior leadership. The small size of the housing will reflect poorly to the many dignitaries frequently entertained by the senior staff. One member of the senior staff will continue to live off-base, three will reside in quarters designated for other grades, and five (including one General Officer) will reside in substandard housing. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, improvement, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost effective over the life of the project.		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR 1995		REPORT CONTROL SYMBOL DD-A&L (AR) 1718			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME MT HOME AIR FORCE BASE, IDAHO				b. LOCATION MT HOME, IDAHO			
5. DATA AS OF FEBRUARY 1993		ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT		PROJECTED			
		OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (a)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		372	2,244	589	3,205	424	2,432	639	3,495
7. PERMANENT PARTY PERSONNEL		372	2,244	589	3,205	424	2,432	639	3,495
8. GROSS FAMILY HOUSING REQUIREMENTS		260	1,702	167	2,129	297	1,844	182	2,323
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		10	79	20	109				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLY HOUSED IN COMMUNITY		10	79	20	109				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		260	1,702	167	2,129	297	1,844	182	2,323
12. HOUSING ASSETS (a + b)		250	1,625	147	2,022	281	1,741	62	2,084
a. UNDER MILITARY CONTROL		144	1,151	137	1,432	144	1,288	0	1,432
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		144	1,151	137	1,432	144	1,288	0	1,432
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		106	474	10	590	137	453	62	652
(1) ACCEPTABLY HOUSED		106	472	10	588	135	446	61	642
(2) VACANT RENTAL HOUSING		0	2	0	2	2	7	1	10
13. EFFECTIVE HOUSING DEFICIT		10	77	20	107	16	103	120	239
14. PROPOSED PROJECT						4			4
15. REMARKS (SPECIFY ITEM NUMBER)									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND			5. AREA CONST COST INDEX			
MOUNTAIN HOME AIR FORCE BASE, IDAHO					AIR COMBAT COMMAND			1.15			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		339	2826	449	58	55	15			3	3,745
b. End FY 1999		352	2767	491		6				3	3,619
7. INVENTORY DATA (\$000)											
a. Total Acreage: (10,057)											
b. Inventory Total As Of: (30 SEP 93) 194,868											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 6,593											
e. Authorization Included In Following Program: (FY 1996) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 0											
h. Grand Total: 201,461											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY					COST		DESIGN		STATUS		
CODE	PROJECT TITLE	SCOPE			(\$000)	START	CMPL				
711-142	REPLACE FAMILY HOUSING	60 UN			5,712	TURN	KEY				
711-142	CONSTRUCT SENIOR OFFICER HOUSING	4 UN			881	TURN	KEY				
TOTAL:					6,593						
9a. Future Projects: Included in the Following Program (FY 1996) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: An air intervention composite wing which includes F-16, F-15, and KC-135 aircraft.											

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MOUNTAIN HOME AIR FORCE BASE, IDAHO			REPLACE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.41	711-142	QYZH955003	5,712		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE FAMILY HOUSING					3,577
SOLAR		UN	60	58,520	(3,511)
SUPPORTING FACILITIES		LS			(66)
SITE PREPARATION		LS			1,579
ROADS AND PAVING		LS			(404)
UTILITIES		LS			(300)
LANDSCAPING AND NEIGHBORHOOD IMPROVMENT		LS			(400)
RECREATION		LS			(155)
DEMOLITION, ASBESTOS & LEAD ABATEMENT		LS			(90)
SUBTOTAL					(230)
CONTINGENCY (5%)					5,156
TOTAL CONTRACT COST					258
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)					5,414
TOTAL REQUEST					298
					5,712
AREA COST FACTOR		1.10			
10. Description of Proposed Construction: Replace 60 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new single and duplex housing units. Provides normal amenities, to include parking, air conditioning, garages, patios and privacy fencing, and neighborhood playgrounds and recreation areas. Includes asbestos and lead paint removal and solar considerations.					
UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSF	NO. UNITS	TOTAL COST
JNCO 2BR	950	1.12	55	60	3,511,200
				60	3,511,200
11. PROJECT: Replace 60 Family Housing units. (Current Mission)					
REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Mt Home AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to provide adequate housing for base personnel. The replacement housing will provide a modern kitchen, living room, family room, and bath configuration, with ample interior and exterior storage and a single car garage. Exterior parking will be provided for a second vehicle. The basic neighborhood support infrastructure will be upgraded to meet modern housing needs. Neighborhood enhancements will include landscaping, playground, and recreation areas. CURRENT SITUATION: This project replaces Capehart housing units which					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MOUNTAIN HOME AIR FORCE BASE, IDAHO		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING	QYZH955003	
were constructed in 1959. These 36 year old houses are showing the affects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations and exterior pavements require major repair or replacement due to the effects of age and the environment. Pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is outdated, and contains evidence of asbestos. Plumbing and electrical systems are outdated and require abnormal maintenance and repair. Electrical circuits do not meet National Electric Code requirements. Lighting systems throughout the houses are inefficient and do not meet modern needs. Exterior storage is inadequate. There are no patios for outside living/entertaining. Heating and air conditioning systems require upgrade or replacement. <u>IMPACT IF NOT PROVIDED:</u> Major morale problems will result because some people will continue to occupy substandard housing while neighbors and friends are in upgraded units. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analyses for the base shows an on-base housing deficit. Without this and subsequent phases of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement construction was found to be the most cost effective over the life of the project. However, since improvement costs exceed 70% of the replacement value, replacement was selected as the best option in accordance with current OSD and Congressional policy. Improvement costs represent 74% of updated FY95 Replacement costs.		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR 1995		REPORT CONTROL SYMBOL DD-A&L (AR) 1718			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME		b. LOCATION					
5. DATA AS OF FEBRUARY 1993		MT HOME AIR FORCE BASE, IDAHO		MT HOME, IDAHO					
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		372	2,244	589	3,205	424	2,432	639	3,495
7. PERMANENT PARTY PERSONNEL		372	2,244	589	3,205	424	2,432	639	3,495
8. GROSS FAMILY HOUSING REQUIREMENTS		260	1,702	167	2,129	297	1,844	182	2,323
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		10	79	20	109				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLY HOUSED IN COMMUNITY		10	79	20	109				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		260	1,702	167	2,129	297	1,844	182	2,323
12. HOUSING ASSETS (a + b)		250	1,625	147	2,022	281	1,741	62	2,084
a. UNDER MILITARY CONTROL		144	1,151	137	1,432	144	1,288	0	1,432
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		144	1,151	137	1,432	144	1,288	0	1,432
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		106	474	10	590	137	453	62	652
(1) ACCEPTABLY HOUSED		106	474	10	590	135	446	61	642
(2) VACANT RENTAL HOUSING		0	2	0	2	2	7	1	10
13. EFFECTIVE HOUSING DEFICIT		10	77	20	107	16	103	120	239
14. PROPOSED PROJECT							60		60
15. REMARKS (SPECIFY ITEM NUMBER)									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST			
SCOTT AIR FORCE BASE, ILLINOIS				AIR MOBILITY			COST INDEX			
				COMMAND			1.14			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		2445	4450	2992	197	202	32	130	88	27
b. End FY 1999		2074	4163	2907	35	4	1	130	88	27
		TOTAL								
		10,563								
		9,429								
7. INVENTORY DATA (\$000)										
a. Total Acreage: (3,337)										
b. Inventory Total As Of: (30 SEP 93) 328,056										
c. Authorization Not Yet In Inventory: 32,710										
d. Authorization Requested In This Program: 30,000										
e. Authorization Included In Following Program: (FY 1996) 0										
f. Planned In Next Three Program Years: 0										
g. Remaining Deficiency: 0										
h. Grand Total: 390,766										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY						COST		DESIGN		STATUS
CODE	PROJECT TITLE	SCOPE		(\$000)		START		CMPL		
711-142	REPLACE FAMILY HOUSING	300 UN		30,000		TURN		KEY		
				TOTAL:		30,000				
9a. Future Projects: Included in the Following Program (FY 1996) NONE										
9b. Future Projects: Typical Planned Next Three Years:										
10. Mission or Major Functions: Headquarters United States										
Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift										
Control Center; Air Force Command, Control, Communications and Computer										
Agency; Air Weather Service; USAF Environmental Technical Applications										
Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force										
Reserve C-9 associate aeromedical airlift group; and a major USAF medical										
center. Also, a joint military/civil use airfield.										

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)				2. DATE																			
3. INSTALLATION AND LOCATION SCOTT AIR FORCE BASE, ILLINOIS				4. PROJECT TITLE REPLACE FAMILY HOUSING																					
5. PROGRAM ELEMENT 8.87.41		6. CATEGORY CODE 711-142		7. PROJECT NUMBER VDYD954003		8. PROJECT COST(\$000) 30,000																			
9. COST ESTIMATES																									
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)																		
REPLACE FAMILY HOUSING (PHASE III)				UN	300	100,000	30,000																		
SUBTOTAL							30,000																		
TOTAL CONTRACT COST							30,000																		
TOTAL REQUEST							30,000																		
AREA COST FACTOR				1.14																					
10. Description of Proposed Construction: Replace Cardinal Creek Village family housing (Phase III) which are displaced as a result of construction of a commercial cargo runway at Scott Air Force Base, Illinois. This is a DoD and St. Clair County jointly funded project, and executed by St. Clair County. <table border="1"> <thead> <tr> <th>UNIT TYPE</th> <th>NET AREA</th> <th>PROJECT FACTOR</th> <th>\$/NSF</th> <th>NO. UNITS</th> <th>TOTAL COST</th> </tr> </thead> <tbody> <tr> <td>SNCO 4BR</td> <td>1443</td> <td>1.05</td> <td>66</td> <td>300</td> <td>29,999,970</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>300</td> <td>29,999,970</td> </tr> </tbody> </table>								UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSF	NO. UNITS	TOTAL COST	SNCO 4BR	1443	1.05	66	300	29,999,970					300	29,999,970
UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSF	NO. UNITS	TOTAL COST																				
SNCO 4BR	1443	1.05	66	300	29,999,970																				
				300	29,999,970																				
11. <u>PROJECT:</u> Replace Cardinal Creek Village family housing (Phase III). (Current Mission) <u>REQUIREMENT:</u> As directed by House Appropriations Committee (HAC) in the FY94 HAC Report (103-136), the AF new construction program includes a request of \$30 Million to complete the Cardinal Creek Village family housing replacement project. Congress authorized a total of \$60 Million in FY93, and appropriated \$20 Million and \$10 Million respectively in FY93 and FY94 for the project. The remaining \$30 Million was directed to be funded in FY95. <u>CURRENT SITUATION:</u> As part of an agreement made between the AF and St. Clair County for the joint use of runway at Scott AFB, the County will relocate and replace Cardinal Creek Village family housing to current DoD standards at a mutually agreed site near the base. Since non-federal interest must share in the replacement cost, Congress authorized the obligation and transfer to the county of the funds authorized and appropriated for the replacement of Cardinal Creek Village family housing.																									

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
AIR FORCE			
3. INSTALLATION AND LOCATION			
SCOTT AIR FORCE BASE, ILLINOIS			
4. PROJECT TITLE		5. PROJECT NUMBER	
REPLACE FAMILY HOUSING		VDYD954003	
The AF is in the process of transferring the FY93 (\$20 Million) and FY94 (\$10 Million) funds to St. Clair County. <u>IMPACT IF NOT PROVIDED:</u> An additional deficit of 1,068 units will result if Cardinal Creek Village family housing is not replaced. This will compound the deficit problem. The base currently has an existing deficit of 572 units based on housing market analysis completed March, 1993. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".			

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR 1995		REPORT CONTROL SYMBOL DD-A&L (AR) 1718	
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME SCOTT AIR FORCE BASE				b. LOCATION BELLEVILLE ILLINOIS	
5. DATA AS OF MARCH, 1993		ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT		PROJECTED	
		OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (a)	E9 - E4 (b)
						E3 - E1 (c)	TOTAL (d)
6. TOTAL PERSONNEL STRENGTH		2,346	3,855	627	6,828	2,517	3,707
7. PERMANENT PARTY PERSONNEL		2,346	3,855	627	6,828	2,517	3,707
8. GROSS FAMILY HOUSING REQUIREMENTS		1,891	2,966	194	5,051	2,025	2,847
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		180	465	22	667		
a. INVOLUNTARILY SEPARATED		15	13	1	29		
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0		
c. UNACCEPTABLY HOUSED IN COMMUNITY		165	452	21	638		
10. VOLUNTARY SEPARATIONS		47	102	8	155	50	96
11. EFFECTIVE HOUSING REQUIREMENTS		1,844	2,864	188	4,896	1,975	2,751
12. HOUSING ASSETS (a + b)		1,717	2,442	169	4,328	1,831	2,354
a. UNDER MILITARY CONTROL		306	1,314	78	1,698	312	1,386
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		306	1,314	78	1,698	312	1,386
(2) UNDER CONTRACT/APPROVED						0	0
(3) VACANT		0	0	0	0		
(4) INACTIVE		0	0	0	0		
b. PRIVATE HOUSING		1,411	1,128	91	2,630	1,519	968
(1) ACCEPTABLY HOUSED		1,373	1,096	89	2,560		
(2) ACCEPTABLE VACANT RENTAL		38	30	2	70		
13. EFFECTIVE HOUSING DEFICIT		127	422	19	568	144	397
14. PROPOSED PROJECT							300
15. REMARKS (SPECIFY ITEM NUMBER)							
ITEM 6-13. BASIC DATA WERE EXTRACTED FROM HOUSING MARKET ANALYSIS MARCH 1993.							

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
MCCONNELL AIR FORCE BASE, KANSAS				AIR MOBILITY COMMAND				COST INDEX 0.99			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		375	2687	360		88					3,510
b. End FY 1999		438	2808	371						10	3,627
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,103)											
b. Inventory Total As Of: (30 SEP 93) 283,853											
c. Authorization Not Yet In Inventory: 17,710											
d. Authorization Requested In This Program: 8,322											
e. Authorization Included In Following Program: (FY 1996) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 0											
h. Grand Total: 309,885											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS	
CODE										START CMPL	
711-142		REPLACE FAMILY HOUSING				70 UN		8,322		TURN KEY	
						TOTAL:		8,322			
9a. Future Projects: Included in the Following Program (FY 1996) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: An air refueling wing (KC-135 aircraft); an Air Combat Command bomb squadron (B-1 aircraft); and an Air National Guard fighter group (F-16 aircraft) which will convert to B-1B aircraft.											

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MCCONNELL AIR FORCE BASE, KANSAS			REPLACE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.87.41	711-142	PRQ959013	8,322		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE FAMILY HOUSING, PHASE 1	UN	70	65,494	4,585	
SUPPORTING FACILITIES				2,928	
SITE PREPARATION	LS			(420)	
ROADS AND PAVING	LS			(228)	
UTILITIES	LS			(350)	
LANDSCAPING AND NEIGHBORHOOD IMPROVMT	LS			(114)	
RECREATION	LS			(80)	
GARAGES, STORAGE, TORNADO SHELTERS	LS			(1,219)	
DEMOLITION (INCLUDES ASBESTOS & LBP)	LS			(518)	
SUBTOTAL				7,513	
CONTINGENCY (5%)				376	
TOTAL CONTRACT COST				7,889	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				434	
TOTAL REQUEST				8,322	
AREA COST FACTOR	.92				
10. Description of Proposed Construction: Replace 70 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new single and duplex housing units. All required support, to include parking, air conditioning, garages, pavements, patios, privacy fencing, tornado shelters, neighborhood playgrounds, and recreation areas. Asbestos and lead base paint removal.					
<u>UNIT TYPE</u>	<u>NET AREA</u>	<u>PROJECT FACTOR</u>	<u>\$/NSF</u>	<u>NO. UNITS</u>	<u>TOTAL COST</u>
JNCO 2BR	950	.91	55	11	523,023
SNCO 3BR	1350	.91	55	32	2,162,160
SNCO 4BR	1450	.91	55	12	870,870
CGO 3BR	1350	.91	55	12	810,810
CGO 4BR	1450	.91	55	3	217,718
				70	4,584,581
11. PROJECT: Replace 70 Family Housing units. (Current Mission) REQUIREMENT: This project is required to provide adequate Military Family Housing to support military members and their families assigned to McConnell AFB. All units will meet "whole-house" standards and are programmed in accordance with the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to provide adequate housing for base personnel. There are a total of 487 units that will be upgraded or replaced in this multi-phased initiative. The replacement housing will provide a modern kitchen, living room, family room, and bath configuration, with ample					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING	PRQE959013	
interior and exterior storage and a single car garage. Exterior parking will be provided for a second vehicle. The basic neighborhood support structure will be upgraded to meet modern housing needs. Neighborhood enhancements include landscaping and recreation areas. Construction must include tornado shelters for occupant safety. <u>CURRENT SITUATION:</u> This project replaces Capehart housing units which are over 36 years old and are showing the affects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. "Whole house" renovation costs exceed 80% of replacement costs. The only feasible option for providing adequate housing is to demolish the existing units and construct replacement housing. Concrete carport pads and walks are cracking and heaving, and carport support posts are rotting. The exterior brick veneer is cracking due to foundation failure. Settlement has allowed termite intrusion, and extensive termite damage is evident. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is outdated. Bathroom plumbing and fixtures require replacement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Lighting systems throughout the houses are inefficient and do not meet modern needs. Off street parking is severely limited causing traffic congestion. Traffic flow in and around the housing area is inefficient. The units contain asbestos and lead paint which can be a health hazardous to the occupants. <u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to live in extremely outdated, substandard and unsatisfactory housing. This housing will continue to be occupied until it becomes uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analysis shows a deficit of over 632 units. Without this and subsequent phases of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost effective over the life of the project. Improvement costs exceed 80% of updated FY95 replacement estimates.		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYYYMMDD)		2. FISCAL YEAR 1995		REPORT CONTROL SYMBOL DD-A&L (AR) 1718			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME MC CONNELL AIR FORCE BASE, KANSAS		b. LOCATION WICHITA, KANSAS					
5. DATA AS OF NOVEMBER 1992									
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT		PROJECTED					
		OFFICER (a)	E8-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (a)	E8-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		418	2,082	578	3,078	378	1,884	522	2,764
7. PERMANENT PARTY PERSONNEL		418	2,082	578	3,078	378	1,884	522	2,764
8. GROSS FAMILY HOUSING REQUIREMENTS		318	1,635	195	2,148	288	1,608	191	2,087
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		15	503	91	609				
a. INVOLUNTARILY SEPARATED		0	5	2	7				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLY HOUSED IN COMMUNITY		15	498	89	602				
10. VOLUNTARY SEPARATIONS		1	26	4	31	1	25	4	30
11. EFFECTIVE HOUSING REQUIREMENTS		317	1,809	192	2,118	287	1,583	187	2,057
12. HOUSING ASSETS (a + b)		308	1,233	103	1,644	272	1,069	84	1,425
a. UNDER MILITARY CONTROL		96	493	0	589	96	493	0	589
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		95	493	0	589	96	493	0	589
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		1	7	0	8				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		212	740	103	1,055	176	576	84	836
(1) ACCEPTABLY HOUSED		207	722	101	1,030	172	564	82	818
(2) ACCEPTABLE VACANT RENTAL		5	18	2	25	4	12	2	18
13. EFFECTIVE HOUSING DEFICIT		9	376	89	474	15	514	103	632
14. PROPOSED PROJECT						15	55		70
15. REMARKS (SPECIFY ITEM NUMBER)									
ITEMS 6-13: INFORMATION REPORTED IN THIS TABLE ARE TAKEN FROM THE HOUSING MARKET ANALYSIS DATED NOVEMBER 1992									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE	
AIR FORCE									
3. INSTALLATION AND LOCATION BARKSDALE AIR FORCE BASE, LOUISIANA				4. COMMAND				5. AREA CONST COST INDEX 0.84	
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED	
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL
a. As of 30 SEP 93		907	4789	1092		509		1	6
b. End FY 1999		955	4955	1255				38	362
								12	7,577
7. INVENTORY DATA (\$000)									
a. Total Acreage: (22,382)									
b. Inventory Total As Of: (30 SEP 93) 218,005									
c. Authorization Not Yet In Inventory: 34,740									
d. Authorization Requested In This Program: 8,236									
e. Authorization Included In Following Program: (FY 1996) 0									
f. Planned In Next Three Program Years: 0									
g. Remaining Deficiency: 0									
h. Grand Total: 260,981									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995									
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS	
CODE						START		CMPL	
711-142		REPLACE FAMILY HOUSING		82 UN		8,236		TURN KEY	
				TOTAL:		8,236			
9a. Future Projects: Included in the Following Program (FY 1996) NONE									
9b. Future Projects: Typical Planned Next Three Years:									
10. Mission or Major Functions: Headquarters Eighth Air Force; a flying wing which includes two B-52 squadrons; Air Mobility Command air refueling operations group (KC-10 and KC-135 aircraft); and Air Force Reserve fighter wing (A-10 and OA-10 aircraft), B-52 associate bomb group, and KC-10 associate air refueling group.									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
BARKSDALE AIR FORCE BASE, LOUISIANA			REPLACE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
B.87.41	711-142	AWUB955101	8,236		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE FAMILY HOUSING (PHASE 2)	UN	82	63,113	5,175	
SUPPORTING FACILITIES				2,260	
SITE PREPARATION	LS			(200)	
ROADS AND PAVING	LS			(348)	
UTILITIES	LS			(370)	
LANDSCAPING AND NEIGHBORHOOD IMPROVMT	LS			(140)	
RECREATION	LS			(124)	
GARAGES AND STORAGE	LS			(586)	
ARCHITECTURAL COMPATIBILITY	LS			(492)	
SUBTOTAL				7,435	
CONTINGENCY (5%)				372	
TOTAL CONTRACT COST				7,807	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				429	
TOTAL REQUEST				8,236	
AREA COST FACTOR		.86			
10. Description of Proposed Construction: Replace 41 duplex Military Family Housing units with all necessary supporting facilities including: demolition, garages, patios, fencing, utilities, air conditioning, appliances, exterior storage, site preparation, roads, parking, sidewalks, basketball court, playground, tot lots, pavilion, trails, recreational vehicle storage, landscaping, and all other necessary support facilities.					
UNIT TYPE	NET AREA	PROJECT FACTOR	S/ NSF	NO. UNITS	TOTAL COST
JNCO 4BR	1350	.85	55	42	2,650,725
SNCO 3BR	1350	.85	55	15	946,688
CGO 3BR	1350	.85	55	25	1,577,813
				82	5,175,226
11. <u>PROJECT</u> : Replace 41 duplex Family Housing units. (Current Mission) <u>REQUIREMENT</u> : This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Barksdale AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. This is the second of multiple phases to provide adequate housing for base personnel. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. The units will provide a modern kitchen, living room, family room, and bath configuration, with ample interior and exterior storage and a single car garage. Exterior parking will be provided for a second vehicle. The neighborhood support infrastructure will be upgraded to meet modern housing needs. Neighborhood enhancements will include landscaping,					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BARKSDALE AIR FORCE BASE, LOUISIANA		
4. PROJECT TITLE		5. PROJECT NUMBER
REPLACE FAMILY HOUSING		AWUB955101
playgrounds, and recreation areas. This project is programmed in accordance with the Housing Community Plan. <u>CURRENT SITUATION:</u> This initiative replaces Wherry housing units which were declared uninhabitable due to condition and have already been demolished. The result is a severe shortage of housing on the base. According to the most recent Housing Market Analysis, a substantial number of families are unsuitably housed. Investigations determined that these families either live in housing below DoD standards, or in housing meeting DoD standards BUT exceeding their maximum housing allowance. The base has a deficit of 1486 units. <u>IMPACT IF NOT PROVIDED:</u> The base will continue to have a shortage of on-base housing which forces families to live in unsuitable off-base housing which exceeds allowances and causes financial hardship. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of replacement construction, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost effective over the life of the project. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR 1995		REPORT CONTROL SYMBOL OD-A&L (AR) 1716	
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION					
5. DATA AS OF JULY		a. NAME BARKSDALE AIR FORCE BASE, LOUISIANA		b. LOCATION SHREVEPORT, LOUISIANA			
1991		ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT		PROJECTED	
		OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)	OFFICER (e)	E9-E4 (f)
6. TOTAL PERSONNEL STRENGTH		1,036	3,670	1,006	5,712	893	3,330
7. PERMANENT PARTY PERSONNEL		1,036	3,670	1,006	5,712	893	3,330
8. GROSS FAMILY HOUSING REQUIREMENTS		819	2,935	353	4,107	703	2,659
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		138	1,002	171	1,311		
a. INVOLUNTARILY SEPARATED		4	4	5	13		
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0		
c. UNACCEPTABLY HOUSED IN COMMUNITY		134	998	166	1,298		
10. VOLUNTARY SEPARATIONS		6	132	16	156	8	120
11. EFFECTIVE HOUSING REQUIREMENTS		811	2,803	337	3,951	695	2,539
12. HOUSING ASSETS (a + b)		592	1,844	171	2,607	578	1,433
a. UNDER MILITARY CONTROL		105	324	0	429	105	324
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		105	324	0	429	105	324
(2) UNDER CONTRACT/APPROVED						0	0
(3) VACANT		0	0	0	0		
(4) INACTIVE		0	0	0	0		
b. PRIVATE HOUSING		487	1,520	171	2,178	473	1,109
(1) ACCEPTABLY HOUSED		476	1,485	166	2,127	461	1,075
(2) ACCEPTABLE VACANT RENTAL		11	35	5	51	12	34
13. EFFECTIVE HOUSING DEFICIT		219	959	195	1,344	117	1,106
14. PROPOSED PROJECT						25	57
15. REMARKS (SPECIFY ITEM NUMBER)							82

ITEMS 1-13: INFORMATION REPORTED IN THIS TABLE IS TAKEN FROM THE HOUSING MARKET ANALYSIS DATED JULY 1991

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE				4. PROJECT TITLE CONSTRUCT HOUSING MANAGEMENT OFFICE	
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI					
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.41	610-119	YWHG941004	567		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
CONSTRUCT HOUSING MANAGEMENT OFFICE	SF	3,605	110	397	
SUPPORTING FACILITIES				114	
DEMOLITION	LS			(7)	
SITE IMPROVEMENTS	LS			(11)	
UTILITIES	LS			(30)	
PAVEMENTS	LS			(16)	
SYSTEMS FURNISHINGS	WS	10	4,000	(40)	
LANDSCAPING	LS			(10)	
SUBTOTAL				511	
CONTINGENCY (5%)				26	
TOTAL CONTRACT COST				537	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				30	
TOTAL REQUEST				567	
AREA COST FACTOR		1.11			
10. Description of Proposed Construction: Construct office including foundation; frame construction; HVAC system; parking lot with paved access; sidewalks; lighting; landscaping; entrance foyer; conference room; semiprivate areas; private offices for the Housing Manager, Assistant, and Facilities Chief; children's playroom; break area; and an exterior playground area. This project includes demolition of existing building. Air Conditioning: 10 Tons.					
11. REQUIREMENT: 3,605 SF ADEQUATE: 0 SUBSTANDARD: 1,656 SF PROJECT: Construct Housing Management Office. (Current Mission) REQUIREMENT: Provide administrative and counseling space for the management of 978 housing units. Must be conveniently located for accessibility by housing occupants and newly arriving personnel. Must include space for private counseling, offices, lounge/waiting area, conference room, and play area for children of parents awaiting service by housing personnel. Facility must also have adequate parking and include provisions for access by the handicapped. Connection of WIMS equipment to the Defense Data Network (DDN) is required. CURRENT SITUATION: This 30-year old wooden structure has insufficient office space to accommodate the functions of the Housing Management Office. The waiting area has a capacity to hold only six people. The one existing private office is too small to be effectively used as an office or counseling area. The Referral Officer does not have a private office, and the remaining office areas do not provide sufficient space for assigned personnel. Storage is also grossly inadequate for supplies. There is no activity area for children. Paved off-street parking is not available, and on-street parking is limited. The existing inadequate facility will be demolished as a part of this project.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE	5. PROJECT NUMBER	
CONSTRUCT HOUSING MANAGEMENT OFFICE	YWHG941004	
<u>IMPACT IF NOT PROVIDED:</u> Service to the 3,390 military personnel who process through and utilize the Housing Management Office will continue to be hampered by an inadequate facility. While every effort will be made to provide quality support to all personnel, the crowded space in which to greet and process individuals will severely limit the ability to provide desired service. The facility appearance and crowded conditions also give an extremely poor impression of the base to new arrivals. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND			5. AREA CONST COST INDEX			
CANNON AIR FORCE BASE, NEW MEXICO					AIR COMBAT COMMAND			0.95			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		541	4178	460	32	17	4	1	1		5,234
b. End FY 1999		543	4501	498	32	17	4	1	1		5,597
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,818)											
b. Inventory Total As Of: (30 SEP 93) 182,312											
c. Authorization Not Yet In Inventory: 4,100											
d. Authorization Requested In This Program: 230											
e. Authorization Included In Following Program: (FY 1996) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 31,632											
h. Grand Total: 218,274											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE			SCOPE		COST	DESIGN STATUS			
CODE							(\$000)	START	CMPL		
711-142	REPLACE GENERAL OFFICER				1 UN		230	TURN KEY			
	HOUSING										
TOTAL:							230				
9a. Future Projects: Included in the Following Program (FY 1996) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: A fighter wing which includes three F-111 fighter squadrons, a fighter training squadron responsible for training all F-111 aircrews, and an electronic combat squadron (EF-111 aircraft).											

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
CANNON AIR FORCE BASE, NEW MEXICO			REPLACE GENERAL OFFICER HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.87.41	711-142	CZQZ930177	230		
9. COST ESTIMATES					
ITEM	U/H	QUANTITY	UNIT COST	COST (\$000)	
FAMILY HOUSING				156	
REPLACE GENERAL OFFICER HOUSING	UN	1	153,731	(154)	
SOLAR	LS			(2)	
SUPPORTING FACILITIES				52	
SITE PREPARATION	LS			(10)	
ROADS AND PAVING	LS			(5)	
UTILITIES	LS			(3)	
LANDSCAPING	LS			(7)	
GARAGE AND STORAGE	LS			(12)	
DEMOLITION (INCLUDES ASBESTOS & LBP)	LS			(15)	
SUBTOTAL				208	
CONTINGENCY (5%)				10	
TOTAL CONTRACT COST				218	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				12	
TOTAL REQUEST				230	
AREA COST FACTOR		1.10			
10. Description of Proposed Construction: Replacement of one GOQ unit. Includes demolition, site clearing, replacement/upgrade of utility system and roads, and construction of new single family unit with double garage. Provides normal amenities to include parking, air conditioning, exterior patio, and privacy fencing. Includes asbestos and lead-based paint removal.					
UNIT TYPE	NET AREA	PROJECT FACTOR	S/ NSF	NO. UNITS	TOTAL COST
GOQ 4BR	2310	1.21	55	1	153,731
				1	153,731
11. PROJECT: Replace one General Officer Housing unit. (Current Mission) REQUIREMENT: This project is required to provide modern and efficient replacement housing for the General Officer Quarters at Cannon AFB. The unit will meet "whole house" standards and will be appropriate for the living and entertainment responsibilities of the Installation Commander. The replacement house will provide a modern kitchen, living room, dining room, family room, and bath configuration with ample interior and exterior storage and covered parking for two cars. Both interior and exterior living areas will be designed to provide adequate entertainment space. CURRENT SITUATION: No major work has been done to this unit since it was built in 1956. The kitchen cabinets, floors, walls, and ceilings are worn and in need of replacement. The floor plan is inadequate. Kitchen is very narrow, and dining area is too small. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Electrical circuits do not meet National Electric Code standards.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CANNON AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE GENERAL OFFICER HOUSING	CZQZ930177	
Lighting systems throughout the house are inefficient and do not meet modern standards. The heating and air conditioning system require upgrade or replacement. House interior is inadequate--especially for a General Officer. Bedrooms are small and do not have adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. <u>IMPACT IF NOT PROVIDED:</u> This Installation Commander will continue to occupy an unattractive, non-functional home. The condition of this home will detract from the social responsibilities required of a commander to entertain visiting dignitaries. The base will incur increasing and unacceptable maintenance and repair costs as efforts are made to keep the house habitable and presentable. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was originally found to be the most cost effective over the life of the project. However, since revitalization costs exceeded 70% of replacement value, replacement was selected as the best option in accordance with current OSD and Congressional policy.		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR 1995		REPORT CONTROL SYMBOL DD-A&L (AR) 1718			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION		5. LOCATION					
5. DATA AS OF JANUARY 1992		a. NAME CANNON AIR FORCE BASE, NEW MEXICO		b. LOCATION SEVEN MILES WEST OF CLOVIS, NEW MEXICO					
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT			PROJECTED				
		OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		434	2 389	835	3 656	575	3 395	1,386	5,356
7. PERMANENT PARTY PERSONNEL		434	2 389	869	3 692	575	3 395	1,386	5,356
8. GROSS FAMILY HOUSING REQUIREMENTS		188	1 356	275	1 819	384	2 624	493	3,501
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		3	27	47	77				
a. INVOLUNTARILY SEPARATED		1	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLY HOUSED IN COMMUNITY		2	27	47	76				
10. VOLUNTARY SEPARATIONS		1	63	0	64	1	93	0	94
11. EFFECTIVE HOUSING REQUIREMENTS		187	1 293	275	1,755	383	2,531	493	3,407
12. HOUSING ASSETS (a + b)		191	1,290	300	1,781	357	1,942	331	2,630
a. UNDER MILITARY CONTROL		149	1,012	50	1,211	249	1,062	50	1,361
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		149	1,012	50	1,211	249	1,062	50	1,361
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		42	278	250	570	108	880	281	1,269
(1) ACCEPTABLY HOUSED		35	254	225	514	102	865	256	1,223
(2) VACANT RENTAL HOUSING		7	24	25	56	6	15	25	46
13. EFFECTIVE HOUSING DEFICIT		(4)	3	(25)	(26)	26	569	162	777
14. PROPOSED PROJECT						1			1
15. REMARKS (SPECIFY ITEM NUMBER)									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION						4. COMMAND				5. AREA CONST COST INDEX	
HOLLOWMAN AIR FORCE BASE, NEW MEXICO						AIR COMBAT COMMAND				1.06	
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		555	4031	976	181	150	12	7	8	61	5,981
b. End FY 1999		486	3965	1041	6	34	2	26	239	397	6,196
7. INVENTORY DATA (\$000)											
a. Total Acreage: (58,565)											
b. Inventory Total As Of: (30 SEP 93) 337,786											
c. Authorization Not Yet In Inventory: 30,220											
d. Authorization Requested In This Program: 7,733											
e. Authorization Included In Following Program: (FY 1996) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 0											
h. Grand Total: 375,739											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START		CHPL	
711-142		REPLACE FAMILY HOUSING		76 UN		7,733		TURN KEY			
				TOTAL:		7,733					
9a. Future Projects: Included in the Following Program (FY 1996) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: A fighter wing with three F-117 squadrons one of which is responsible for training all F-117 aircrews, and a combat air rescue detachment (HH-60 helicopters); a mobility support squadron (maintains the Harvest Bare kit); an Air Force Materiel Command test group; a German Air Force fighter training squadron (F-4 aircraft); and an Air National Guard fighter interceptor detachment (F-16 aircraft).											

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE						
3. INSTALLATION AND LOCATION			4. PROJECT TITLE			
HOLLOMAN AIR FORCE BASE, NEW MEXICO			REPLACE FAMILY HOUSING			
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER		8. PROJECT COST(\$000)	
B.87.41		711-142	KWRD953008		7,733	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE FAMILY HOUSING (PHASE 2)		UN	76	65,929	5,011	
SUPPORTING FACILITIES					1,970	
SITE PREPARATION		LS			(180)	
ROADS AND PAVING		LS			(370)	
UTILITIES		LS			(360)	
LANDSCAPING AND NEIGHBORHOOD IMPROVMT		LS			(100)	
RECREATION		LS			(100)	
MULTIPLEX FIRE PROTECTION		LS			(360)	
DEMOLITION (INCLUDES ASBESTOS & LBP)		LS			(500)	
SUBTOTAL					6,981	
CONTINGENCY (5%)					349	
TOTAL CONTRACT COST					7,330	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)					403	
TOTAL REQUEST					7,733	
AREA COST FACTOR		1.01				
10. Description of Proposed Construction: Replace 76 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new multi-plex units. Provides normal amenities to include parking, air conditioning, carports, patios and privacy fencing, neighborhood playgrounds, and recreation areas. Includes asbestos and lead-based paint removal. Includes fire sprinkler systems.						
	UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSF	NO. UNITS	TOTAL COST
	JNCO 2BR	950	1.01	55	4	211,090
	JNCO 3BR	1200	1.01	55	72	4,799,520
					76	5,010,610
11. <u>PROJECT</u> : Replace 76 Family Housing units. (Current Mission) <u>REQUIREMENT</u> : This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Holloman AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. The is the second of multiple phases of an initiative to provide adequate housing for base personnel. Of the units requiring upgrade or replacement in this initiative, 131 have been programmed in prior years. The replacement housing will provide a modern kitchen, living room, and bath configuration with ample interior and exterior storage and a carport for one car. Exterior, off-street parking will be provided for a second vehicle. The basic neighborhood support infrastructure will be upgraded to meet modern						

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
HOLLOMAN AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING	KWRD953008	
housing needs. Neighborhood improvements include landscaping and recreation areas. CURRENT SITUATION: This project replaces Appropriated housing units which were constructed in the late 1960s/early 1970s. These houses are showing the effects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Walls, foundations, and exterior pavements require major repair or replacement due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Electrical circuits do not meet National Electric Code requirements. Lighting systems throughout the houses are inefficient and do not meet modern needs. Heating and air conditioning systems require upgrade or replacement. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is outdated. IMPACT IF NOT PROVIDED: Morale problems will result since many people will continue to occupy substandard housing. The housing units will continue to be occupied until they become uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analysis shows a deficit of housing for Junior NCOs. Without this and subsequent phases of this initiative, repairs to these units will continue out of necessity in a costly, piecemeal fashion, with no improvement in living quality. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based upon the net present values and benefits of the respective alternatives, revitalization was originally found to be the most cost effective over the life of the project. However, since revitalization costs exceeded 70% of the replacement value of the houses, replacement was selected as the best option in accordance with current OSD and Congressional policy. Improvement costs represent 70.2% of updated FY95 Replacement estimates.		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR 1995		REPORT CONTROL SYMBOL DD-A&L (AR) 1716			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME HOLLoman AIR FORCE BASE, NEW MEXICO		b. LOCATION ALAMAGORDO, NEW MEXICO					
5. DATA AS OF SEPT 1992		ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT		PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 E3-E1 (f) (g)	TOTAL (h)	
6. TOTAL PERSONNEL STRENGTH		519	3,257	1,279	5,055	535	2,634	1,401	4,570
7. PERMANENT PARTY PERSONNEL		494	3,257	1,279	5,030	505	2,548	1,354	4,407
8. GROSS FAMILY HOUSING REQUIREMENTS		388	2,564	212	3,164	381	1,873	289	2,523
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		6	165	19	190				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLY HOUSED IN COMMUNITY		6	165	19	190				
10. VOLUNTARY SEPARATIONS		0	0	0	0	6	64	12	84
11. EFFECTIVE HOUSING REQUIREMENTS		388	2,564	212	3,164	373	1,809	257	2,439
12. HOUSING ASSETS (a + b)		393	2,395	217	3,005	393	2,395	217	3,005
a. UNDER MILITARY CONTROL		191	1,360	0	1,551	191	1,360	0	1,551
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		189	1,173	0	1,362	191	1,360	0	1,551
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		2	187	0	189				
b. PRIVATE HOUSING		202	1,035	217	1,454	202	1,035	217	1,454
(1) ACCEPTABLY HOUSED		193	1,226	183	1,368				
(2) ACCEPTABLE VACANT RENTAL		9	33	24	66				
13. EFFECTIVE HOUSING DEFICIT		5	188	5	158	20	586	40	566
14. PROPOSED PROJECT							76		76
15. REMARKS (SPECIFY ITEM NUMBER)									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
KIRTLAND AIR FORCE BASE, NEW MEXICO				AIR FORCE MATERIEL COMMAND				COST INDEX 1.02			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		1227	3213	2249	101	262	101	89	170	120	7,532
b. End FY 1999		1300	2935	2332	43	98	33	89	152	120	7,102
7. INVENTORY DATA (\$000)											
a. Total Acreage: (44,025)											
b. Inventory Total As Of: (30 SEP 93) 433,138											
c. Authorization Not Yet In Inventory: 12,150											
d. Authorization Requested In This Program: 10,058											
e. Authorization Included In Following Program: (FY 1996) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 0											
h. Grand Total: 455,346											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
711-142	REPLACE FAMILY HOUSING			106 UN	10,058		TURN KEY				
						TOTAL:	10,058				
9a. Future Projects: Included in the Following Program (FY 1996) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: Phillips Laboratory; the Air Force Operational Test and Evaluation Center; an Air Education and Training Command crew training wing with two flying training squadrons (MH-53, TH-53, UH-1, and MH-60 helicopters, and MC-130 and HC-130 aircraft); Air Force Security Police Agency; and an Air National Guard fighter group (F-16aircraft). Major tenants include Naval Weapons Evaluation Facility and Sandia National Laboratory.											

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE																															
AIR FORCE																																				
3. INSTALLATION AND LOCATION			4. PROJECT TITLE																																	
KIRTLAND AIR FORCE BASE NEW MEXICO			REPLACE FAMILY HOUSING																																	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)																																	
8.87.41	711-142	MMHV943016NC	10,058																																	
9. COST ESTIMATES																																				
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)																															
REPLACE FAMILY HOUSING		UN	106	59,330	6,289																															
SUPPORTING FACILITIES					2,791																															
SITE PREPARATION		LS			(651)																															
ROADS AND PAVING		LS			(500)																															
UTILITIES		LS			(560)																															
LANDSCAPING		LS			(130)																															
RECREATION		LS			(150)																															
DEMOLITION AND ASBESTOS REMOVAL		LS			(800)																															
SUBTOTAL					9,080																															
CONTINGENCY (5%)					454																															
TOTAL CONTRACT COST					9,534																															
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)					524																															
TOTAL REQUEST					10,058																															
AREA COST FACTOR		.92																																		
10. Description of Proposed Construction: Construct 106 JNCO family housing units. Project consists of demolition of existing housing, asbestos removal, and construction of replacement units with associated carparks. Provide patios with privacy fences, storage areas, and trash can enclosures. Site preparation support includes utility repair, landscaping, community development, and street repair. <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th>UNIT TYPE</th> <th>NET AREA</th> <th>PROJECT FACTOR</th> <th>\$/NSF</th> <th>NO. UNITS</th> <th>TOTAL COST</th> </tr> </thead> <tbody> <tr> <td>JNCO 2BR</td> <td>950</td> <td>.90</td> <td>55</td> <td>21</td> <td>987,525</td> </tr> <tr> <td>JNCO 3BR</td> <td>1200</td> <td>.90</td> <td>55</td> <td>51</td> <td>3,029,400</td> </tr> <tr> <td>JNCO 4BR</td> <td>1350</td> <td>.90</td> <td>55</td> <td>34</td> <td>2,272,050</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>106</td> <td>6,288,975</td> </tr> </tbody> </table>							UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSF	NO. UNITS	TOTAL COST	JNCO 2BR	950	.90	55	21	987,525	JNCO 3BR	1200	.90	55	51	3,029,400	JNCO 4BR	1350	.90	55	34	2,272,050					106	6,288,975
UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSF	NO. UNITS	TOTAL COST																															
JNCO 2BR	950	.90	55	21	987,525																															
JNCO 3BR	1200	.90	55	51	3,029,400																															
JNCO 4BR	1350	.90	55	34	2,272,050																															
				106	6,288,975																															
11. PROJECT: Replace 106 JNCO family housing units. (Current Mission) REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. CURRENT SITUATION: These units were constructed in 1949 and have received only routine maintenance and repair since construction. These units are undersized, energy inefficient, and would require a complete floor plan change to meet modern day standards. The fixtures in the bathrooms and kitchens are no longer repairable and must be replaced. The units lack common features found in homes off-base such as family rooms and master baths. The flat roofs require frequent emergency stop-gap maintenance. Asbestos is present in the flooring, insulation, interior walls, and																																				

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KIRTLAND AIR FORCE BASE NEW MEXICO		
4. PROJECT TITLE		5. PROJECT NUMBER
REPLACE FAMILY HOUSING		MHMV943016NC
roofing of each of these units. Lead-based paint is present on both the interior and exterior of the units. The neighborhood is too dense, leaving precious little privacy for families. These units have outlived their useful life; replacement is the most logical method to provide acceptable housing for these junior enlisted members and their families. IMPACT IF NOT PROVIDED: Air Force members and their families will continue to live in unacceptable, over-crowded conditions. Asbestos will remain in the units possibly exposing people to a known dangerous substance. Operations and maintenance of the existing units will continue at a costly rate due to deterioration of building systems and inadequate energy conservation design in the original construction. ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Due to health, safety, and environmental concerns, 69 units to be replaced as part of this project will be demolished by a FY94 Maintenance and Repair project. The remaining units, for a total of 106 units, will be demolished by this replacement project.		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR 1995		REPORT CONTROL SYMBOL DD-A&L(AFR)1718			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION							
5. DATA AS OF MARCH 1993		a. NAME KIRTLAND AIR FORCE BASE NEW MEXICO			b. LOCATION ALBUQUERQUE				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		1 186	2 588	588	4 362	1 327	2 269	520	4 136
7. PERMANENT PARTY PERSONNEL		1 186	2 588	588	4 362	1 327	2 269	520	4 136
8. GROSS FAMILY HOUSING REQUIREMENTS		962	2 041	165	3 168	1 071	1 794	162	3 027
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		151	125	8	284				
a. INVOLUNTARILY SEPARATED		5	14	1	20				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY		146	111	7	264				
10. VOLUNTARY SEPARATIONS		4	46	4	54	6	40	3	49
11. EFFECTIVE HOUSING REQUIREMENTS		958	1 995	181	3 134	1 065	1 754	159	2 978
12. HOUSING ASSETS (a + b)		870	1 906	176	2 952	970	1 702	159	2 831
a. UNDER MILITARY CONTROL		354	1 610	157	2 121	354	1 610	157	2 121
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		354	1 610	157	2 121	354	1 610	157	2 121
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		516	296	19	831	616	92	2	710
(1) ACCEPTABLY HOUSED		453	260	16	729				
(2) ACCEPTABLE VACANT RENTAL		63	36	3	102				
13. EFFECTIVE HOUSING DEFICIT		69	69	5	182	95	52	0	147
14. PROPOSED PROJECT							106		106
15. REMARKS									

DD FORM 1323, NOV 80

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
POPE AIR FORCE BASE, NORTH CAROLINA				AIR COMBAT COMMAND				0.80			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		672	4017	449	23	46	48	9	157	43	5,464
b. End FY 1999		534	3745	374		5		11	113	23	4,805
7. INVENTORY DATA (\$000)											
a. Total Acreage: (1,913)											
b. Inventory Total As Of: (30 SEP 93) 108,380											
c. Authorization Not Yet In Inventory: 30,380											
d. Authorization Requested In This Program: 14,874											
e. Authorization Included In Following Program: (FY 1996) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 0											
h. Grand Total: 153,634											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START		CMPL	
711-142	CONSTRUCT FAMILY HOUSING			120 UN		14,874		TURN KEY			
						TOTAL: 14,874					
9a. Future Projects: Included in the Following Program (FY 1996) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: A composite wing which includes one F-16 squadron, one A/OA-10 squadron, and two C-130 squadrons.											

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
POPE AIR FORCE BASE, NORTH CAROLINA			CONSTRUCT FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.41	711-142	TMKH947000	14,874		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
CONSTRUCT FAMILY HOUSING, PHASE 1	UN	120	45,467	5,456	
SUPPORTING FACILITIES				7,971	
SITE PREPARATION	LS			(500)	
ROADS AND PAVING	LS			(664)	
UTILITIES	LS			(1,862)	
LANDSCAPING AND NEIGHBORHOOD IMPROVMT	LS			(349)	
RECREATION	LS			(150)	
GARAGES, STORAGE AND FIRE PROTECTION	LS			(1,212)	
LAND ACQUISITION	LS			(3,234)	
SUBTOTAL				13,427	
CONTINGENCY (5%)				671	
TOTAL CONTRACT COST				14,098	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				775	
TOTAL REQUEST				14,874	
AREA COST FACTOR		.80			
10. Description of Proposed Construction: Construct 120 multiplex housing units with all necessary support. Includes land purchase, site prep, utilities, roads, parking, playgrounds, and landscaping. Project will meet "whole house/neighborhood" guidelines which include adequate square footages, air conditioning, appliances, garages, and privacy fencing. Provides perimeter fencing, fire protection, & EMCS/load shed.					
UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSF	NO. UNITS	TOTAL COST
JNCO 2BR	950	.80	55	98	4,096,400
JNCO 4BR	1350	.80	55	10	594,000
SNCO 4BR	1450	.80	55	12	765,600
				120	5,456,000
11. PROJECT: Construct 120 Family Housing units. (New Mission) REQUIREMENT: This project is required to provide adequate housing for military members and their dependents stationed at Pope AFB. The Housing Market Analysis for Pope AFB reveals a housing deficit of 658 units. This deficit consists of long-standing deficiencies and additional deficiencies associated with mission realignments from base closures. Land acquisition (100-150 AC) is required to support new construction. Housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the first phase of a multi-phased effort to provide adequate housing for base personnel. The units will provide a modern kitchen, living room, family room, and bath configuration, with ample interior and exterior storage and a single car garage. Parking will also be provided for a second vehicle and guests.					

1. COMPONENT	PY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
POPE AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
CONSTRUCT FAMILY HOUSING	TMKH947000	
The support infrastructure will meet modern housing needs. Project includes landscaping, recreation areas and perimeter fencing. Fire protection will be provided in all multiplex units. <u>CURRENT SITUATION:</u> Pope AFB does not have a sufficient number of housing assets to support existing requirements and ongoing realignment actions. The latest Housing Market Analysis (HMA), Sep 92, indicates a significant deficit. New housing is especially required in the 2-bedroom Junior NCO category due to an extreme shortage of rental units within their affordability range. Construction of off-base multi-family rental units has declined to very low levels. As a result, available units cost \$400/month or more, and are not affordable to most junior enlisted personnel. No space is available on base to support additional family housing. Land acquisition will be required to support this project. <u>IMPACT IF NOT PROVIDED:</u> Air Force families are forced to live off base at greater distances away from the base than are desirable and/or in expensive or unsuitable housing near the base. Ultimately, the mission will suffer damaging effects from low morale and increased stress due to financial strains on families. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. The local school authority will be contacted to determine its capability to accept the increase in student population generated by this project.		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR		REPORT CONTROL SYMBOL			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION		1995		DD-A&L (AF) 1718			
5. DATA AS OF SEPT 1992		a. NAME POPE AIR FORCE BASE, NORTH CAROLINA		b. LOCATION FAYETTEVILLE, NORTH CAROLINA					
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		610	2 793	845	4 248	301	2 163	655	3 119
7. PERMANENT PARTY PERSONNEL		610	2 793	845	4 248	301	2 163	655	3 119
8. GROSS FAMILY HOUSING REQUIREMENTS		416	2 073	241	2 730	204	1 596	185	1 985
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		33	671	127	831				
a. INVOLUNTARILY SEPARATED		2	11	2	15				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLY HOUSED IN COMMUNITY		31	660	125	816				
10. VOLUNTARY SEPARATIONS		2	17	5	24	1	13	4	18
11. EFFECTIVE HOUSING REQUIREMENTS		414	2 056	236	2 706	203	1 583	181	1 967
12. HOUSING ASSETS (a + b)		392	1 430	113	1 935	196	1 069	44	1 309
a. UNDER MILITARY CONTROL		89	370	0	459	89	370	0	459
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		89	370	0	459	89	370	0	459
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		303	1 060	113	1 476	107	699	44	850
(1) ACCEPTABLY HOUSED		292	1 015	109	1 416	103	669	42	814
(2) ACCEPTABLE VACANT RENTAL		11	45	4	60	4	30	2	36
13. EFFECTIVE HOUSING DEFICIT		22	626	123	771	7	514	137	658
14. PROPOSED PROJECT							120		120
15. REMARKS (PREFIX ITEM NUMBER)									
ITEMS 1-13: INFORMATION REPORTED IN THIS TABLE IS TAKEN FROM THE HOUSING MARKET ANALYSIS DATED SEPTEMBER 1992									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION SEYMOUR-JOHNSON AIR FORCE BASE, NORTH CAROLINA				4. COMMAND AIR COMBAT COMMAND				5. AREA CONST COST INDEX 0.74		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		564	4123	532		16				5,235
b. End FY 1999		534	3925	553		16				5,028
7. INVENTORY DATA (\$000)										
a. Total Acreage: (41,157)										
b. Inventory Total As Of: (30 SEP 93) 176,848										
c. Authorization Not Yet In Inventory: 17,880										
d. Authorization Requested In This Program: 6,025										
e. Authorization Included In Following Program: (FY 1996) 0										
f. Planned In Next Three Program Years: 0										
g. Remaining Deficiency: 0										
h. Grand Total: 200,753										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START CMPL		
711-142		REPLACE FAMILY HOUSING		74 UN		6,025		TURN KEY		
				TOTAL:		6,025				
9a. Future Projects: Included in the Following Program (FY 1996) NONE										
9b. Future Projects: Typical Planned Next Three Years:										
10. Mission or Major Functions: A flying wing which includes three fighter squadrons (F-15 aircraft) and two air refueling squadrons (KC-10 aircraft); an Air Force Reserve KC-10 associate air refueling group; and an Air National Guard fighter interceptor detachment (F-16 aircraft).										

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION SEYMOUR-JOHNSON AIR FORCE BASE, NORTH CAROLINA			4. PROJECT TITLE REPLACE FAMILY HOUSING		
5. PROGRAM ELEMENT 8.87.41	6. CATEGORY CODE 711-142	7. PROJECT NUMBER VKAG956001	8. PROJECT COST(\$000) 6,025		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE FAMILY HOUSING					4,213
REPLACE FAMILY HOUSING, PHASE 3		UN	74	56,191	(4,158)
SOLAR		LS			(55)
SUPPORTING FACILITIES					1,225
SITE PREPARATION		LS			(150)
ROADS AND PAVING		LS			(155)
UTILITIES		LS			(300)
LANDSCAPING AND NEIGHBORHOOD IMPROVMT		LS			(150)
RECREATION		LS			(100)
DEMOLITION (INCLUDES ASBESTOS & LBP)		LS			(370)
SUBTOTAL					5,438
CONTINGENCY (5%)					272
TOTAL CONTRACT COST					5,710
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)					314
TOTAL REQUEST					6,025
AREA COST FACTOR		.80			
10. Description of Proposed Construction: Replace 74 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new single and duplex housing units. Provides normal amenities, to include parking, air conditioning, carports, patios and privacy fencing, and neighborhood playgrounds and recreation areas. Includes asbestos and lead paint removal and solar considerations.					
UNIT TYPE	NET AREA	PROJECT FACTOR	\$/ NSF	NO. UNITS	TOTAL COST
JNCO 28R	950	.79	55	18	742,995
JNCO 38R	1200	.79	55	18	938,520
JNCO 48R	1350	.79	55	14	821,205
FGO 48R	1550	.79	55	18	1,212,255
SGO 48R	1700	.79	55	6	443,190
				74	4,158,165
11. PROJECT: Replace 74 Family Housing units. (Current Mission) <u>REQUIREMENT:</u> This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Seymour-Johnson AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the third phase of a multiple phase initiative to provide adequate housing for base personnel. Of the units requiring upgrade/replacement in this initiative, 126 have been completed or are programmed in prior years. The replacement housing will provide a modern kitchen, living room, family room, and bath					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SEYMOUR-JOHNSON AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING	VKAG956001	
configuration, with ample interior and exterior storage and a single car carport. Exterior parking will be provided for a second vehicle. The neighborhood support infrastructure will be upgraded to meet modern housing needs. Neighborhood improvements include landscaping and recreation areas. CURRENT SITUATION: This project replaces Appropriated housing units which were constructed in 1972. These 23 year old houses are showing the affects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Walls, foundations and exterior pavements require major repair or replacement due to the effects of age and the environment. Wall insulation is inadequate. Foundations and pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is outdated. Plumbing and electrical systems are outdated and require abnormal maintenance and repair. Electrical circuits do not meet National Electric Code requirements. Lighting systems throughout the houses are inefficient and do not meet modern needs. Heating and air conditioning systems require upgrade or replacement. IMPACT IF NOT PROVIDED: Major morale problems will result because some people will continue to occupy substandard housing. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analysis shows a housing deficit. Without this and subsequent phases of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 119D, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement construction was found to be the most cost effective over the life of the project. However, since revitalization exceeded 70% of the replacement value of the houses, replacement construction was selected as the best option in accordance with current OSD and Congressional policy. Updated improvement costs represent 74.5% of FY95 Replacement estimates. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR 1995		REPORT CONTROL SYMBOL DD-A&L (AR) 1718			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION							
5. DATA AS OF JULY 1992		a. NAME SEYMOUR-JOHNSON AIR FORCE BASE NORTH CAROLINA		b. LOCATION GOLDSBORO, NORTH CAROLINA					
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (a)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		690	3,410	719	4,819	664	3,621	1,018	5,303
7. PERMANENT PARTY PERSONNEL		690	3,410	719	4,819	664	3,621	1,018	5,303
8. GROSS FAMILY HOUSING REQUIREMENTS		530	2,901	215	3,646	506	3,070	278	3,854
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		2	80	40	122				
a. INVOLUNTARILY SEPARATED		2	8	6	16				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLY HOUSED IN COMMUNITY		0	72	34	106				
10. VOLUNTARY SEPARATIONS		3	35	4	42	3	38	5	46
11. EFFECTIVE HOUSING REQUIREMENTS		527	2,866	211	3,604	503	3,032	273	3,808
12. HOUSING ASSETS (a + b)		533	2,812	174	3,519	510	2,979	246	3,735
a. UNDER MILITARY CONTROL		154	1,544	0	1,698	154	1,544	0	1,698
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		154	1,544	0	1,698	154	1,544	0	1,698
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		379	1,268	174	1,821	356	1,435	246	2,037
(1) ACCEPTABLY HOUSED		371	1,242	171	1,764				
(2) ACCEPTABLE VACANT RENTAL		8	26	3	37				
13. EFFECTIVE HOUSING DEFICIT		(6)	54	37	65	(7)	53	27	73
14. PROPOSED PROJECT									
15. REMARKS (SPECIFY ITEM NUMBER)						24	50		74

ITEMS 1-13: INFORMATION REPORTED IN THIS TABLE IS TAKEN FROM THE HOUSING MARKET ANALYSIS DATED JULY 1992

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
GRAND FORKS AIR FORCE BASE, NORTH DAKOTA			CONSTRUCT FAMILY HOUSING MANAGEMENT OFFICE		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.41	610-119	JFSD943004	709		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
CONSTRUCT FAMILY HOUSING MANAGEMENT					
OFFICE		SF	4,493	110	494
SUPPORTING FACILITIES					146
SITE PREPARATION		LS			(16)
UTILITIES		LS			(23)
PAVEMENTS		LS			(39)
SYSTEMS FURNISHINGS		WS	14	4,000	(56)
LANDSCAPING		LS			(12)
SUBTOTAL					640
CONTINGENCY (5%)					32
TOTAL CONTRACT COST					672
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)					37
TOTAL REQUEST					709
AREA COST FACTOR		0.96			
10. Description of Proposed Construction: Construct office including foundation; frame construction; HVAC system; parking lot with paved access; sidewalks; lighting; landscaping; entrance foyer; conference room; semi-private areas; private offices for the Housing Manager, Assistant, and Facilities Chief; children's playroom; break area; and an exterior playground area. Air Conditioning: 15 Tons.					
11. REQUIREMENT: 4,493 SF ADEQUATE: 0 SUBSTANDARD: 2,100 SF PROJECT: Construct Family Housing Management Office. (Current Mission). REQUIREMENT: Provide administrative and counseling space for the management of 2,271 housing units. Must be conveniently located for accessibility by housing occupants and newly arriving personnel. Must include space for private counseling, offices, lounge/waiting area, conference room, and play area for children of parents awaiting service by housing personnel. Facility must also have adequate parking and include provisions for access by the handicapped. Connection of WIMS equipment to the Defense Data Network (DDN) is required. CURRENT SITUATION: The Family Housing Management Office provides service to over 3,163 families, and unaccompanied personnel living off base. This office manages the assignment, termination, and maintenance of 2,271 family housing units. The current building is 19 years old. It is a prefabricated split-level residential-type structure poorly configured to provide adequate space for employees and proper atmosphere for customers. Housing referral counselors and clerks are located in an open room along with the reception/display area. Personalized and private customer service cannot be provided. There is no handicapped access to the split-level building. The existing facility will be converted to another					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE	5. PROJECT NUMBER	
CONSTRUCT FAMILY HOUSING MANAGEMENT OFFICE	JFSD943004	
use separate from this project. <u>IMPACT IF NOT PROVIDED:</u> Service to the 3,163 military families who process through and utilize the Housing Management Office will continue to be hampered by an inadequate facility. While every effort will be made to provide quality support to all personnel, the crowded space in which to greet and process individuals will severely limit the ability to provide desired service. The facility appearance and crowded conditions also give an extremely poor impression of the base to new arrivals. <u>ADDITIONAL:</u> This project meets the criteria and scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide."		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION						4. COMMAND			5. AREA CONST COST INDEX		
SHAW AIR FORCE BASE, SOUTH CAROLINA						AIR COMBAT COMMAND			0.72		
6. PERSONNEL STRENGTH			PERMANENT			STUDENTS			SUPPORTED		
			OFF	ENL	CIV	OFF	ENL	CIV	OFF	TOTAL	
a. As of 30 SEP 93			746	4579	518	16	26	252	11	6,199	
b. End FY 1999			705	4465	556	16	26	252	11	6,082	
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,416)											
b. Inventory Total As Of: (30 SEP 93) 157,483											
c. Authorization Not Yet In Inventory: 11,080											
d. Authorization Requested In This Program: 631											
e. Authorization Included In Following Program: (FY 1996) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 80,660											
h. Grand Total: 249,854											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	STATUS CMPL					
	711-142	REPLACE GENERAL OFFICER HOUSING	3 UN	631	TURN KEY						
				TOTAL:	631						
9a. Future Projects: Included in the Following Program (FY 1996) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: Headquarters Ninth Air Force; a fighter wing which includes three fighter squadrons (F-16 aircraft) and one air control squadron (OA-10 and A-10 aircraft). Also, the temporary beddown location of one F-16 squadron from Homestead AFB, FL.											

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
SHAW AIR FORCE BASE, SOUTH CAROLINA			REPLACE GENERAL OFFICER HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.41	711-142	VLSB940016	631		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE GENERAL OFFICER HOUSING		UN	3	109,802	329
SUPPORTING FACILITIES					240
SITE PREPARATION		LS			(45)
ROADS AND PAVING		LS			(35)
UTILITIES		LS			(25)
LANDSCAPING AND NEIGHBORHOOD IMPROVMENT		LS			(35)
GARAGES		LS			(45)
DEMOLITION (INCLUDES ASBESTOS & LBP)		LS			(55)
SUBTOTAL					569
CONTINGENCY (5%)					28
TOTAL CONTRACT COST					597
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)					33
TOTAL REQUEST					631
AREA COST FACTOR		.83			
10. Description of Proposed Construction: Replacement of three GOQ units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new single family units with double garages. Provides normal amenities to include parking, air conditioning, exterior patios, and privacy fencing. Includes asbestos and lead-based paint removal.					
UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSF	NO. UNITS	TOTAL COST
GOQ 4BR	2310	.92	55	1	116,886
GOQ 4BR	2100	.92	55	2	212,520
				3	329,406
11. PROJECT: Replace three General Officer Housing units. (Current Mission)					
REQUIREMENT: This project is required to provide modern and efficient replacement housing for General Officers and their dependents stationed at Shaw AFB. All units will meet "whole house" standards and will be appropriate for the living and entertainment responsibilities of the 9th Air Force Commander, 9th Air Force Vice Commander, and the Installation Commander. The replacement housing will provide a modern kitchen, living room, dining room, family room, and bath configuration with ample interior and exterior storage and covered parking for two cars. Both interior and exterior living areas will be designed to provide adequate entertainment space.					
CURRENT SITUATION: No major work has been done to these units since they were built in 1956. The kitchen cabinets, floors, walls, and ceilings are					

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SHAW AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE REPLACE GENERAL OFFICER HOUSING		5. PROJECT NUMBER VLSB94D016
worn and in need of replacement. The floor plans are inadequate. Kitchens are very narrow, and dining areas are too small. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Electrical circuits do not meet National Electric Code standards. Lighting systems throughout the houses are inefficient and do not meet modern standards. Heating and air conditioning systems require upgrade or replacement. Housing interiors are inadequate. Bedrooms are small and do not have adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Sun porches have rapidly deteriorated and need new roofs, floors, walls, and windows. <u>IMPACT IF NOT PROVIDED:</u> These commanders will continue to occupy unattractive, non-functional homes. The condition of these homes will detract from the social responsibilities of these commanders as visiting dignitaries are entertained. The base will incur increasing and unacceptable maintenance and repair costs as efforts are made to keep the house habitable and presentable. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Base upon the net present values and benefits of the respective alternatives, revitalization was determined to be the most cost effective. However, since revitalization exceeded 70% of the replacement value of the houses, replacement construction was selected as the best option in accordance with current OSD and Congressional policy. Improvement costs represent 74% of estimated replacement costs.		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYYYMMDD)		2. FISCAL YEAR 1995		REPORT CONTROL SYMBOL DD-ABL (AR) 1718			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION							
5. DATA AS OF MAY 1993		a. NAME SHAW AIR FORCE BASE SOUTH CAROLINA		b. LOCATION SUMTER, SOUTH CAROLINA					
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		803	4,246	1,214	6,263	782	4,201	1,175	6,158
7. PERMANENT PARTY PERSONNEL		803	4,246	1,214	6,263	782	4,201	1,175	6,158
8. GROSS FAMILY HOUSING REQUIREMENTS		619	3,328	420	4,367	604	3,292	407	4,303
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		36	462	185	683				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLY HOUSED IN COMMUNITY		36	462	185	683				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		619	3,328	420	4,367	604	3,292	407	4,303
12. HOUSING ASSETS (a + b)		588	2,885	236	3,710	574	2,842	228	3,644
a. UNDER MILITARY CONTROL		161	1,453	143	1,757	186	1,368	136	1,703
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		161	1,453	143	1,757	186	1,368	136	1,703
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		428	1,432	93	1,953	405	1,444	92	1,941
(1) ACCEPTABLY HOUSED		422	1,413	92	1,927	400	1,423	90	1,913
(2) ACCEPTABLE VACANT RENTAL		6	19	1	26	5	21	2	28
13. EFFECTIVE HOUSING DEFICIT		30	443	184	657	30	450	179	659
14. PROPOSED PROJECT						3			3
15. REMARKS (PREFIX ITEM NUMBER)									
ITEMS 6-13: INFORMATION REPORTED ARE TAKEN FROM THE HOUSING MARKET ANALYSIS DATED MAY 1993									

DD FORM 152, NOV 88

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)				2. DATE	
AIR FORCE							
3. INSTALLATION AND LOCATION				4. COMMAND		5. AREA CONST COST INDEX	
DYESS AIR FORCE BASE, TEXAS				AIR COMBAT COMMAND		0.92	
6. PERSONNEL		PERMANENT		STUDENTS		SUPPORTED	
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		765	4465	401			
b. End FY 1999		752	4188	390			
							TOTAL
							5,631
							5,330
7. INVENTORY DATA (\$000)							
a. Total Acreage: (6,432)							
b. Inventory Total As Of: (30 SEP 93) 218,829							
c. Authorization Not Yet In Inventory: 15,720							
d. Authorization Requested In This Program: 7,077							
e. Authorization Included In Following Program: (FY 1996) 0							
f. Planned In Next Three Program Years: 0							
g. Remaining Deficiency: 0							
h. Grand Total: 241,626							
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995							
CATEGORY		PROJECT TITLE		SCOPE	COST (\$000)	DESIGN STATUS	
CODE						START	CMPL
711-142	REPLACE FAMILY HOUSING			59 UN	7,077	TURN KEY	
					TOTAL:	7,077	
9a. Future Projects: Included in the Following Program (FY 1996) NONE							
9b. Future Projects: Typical Planned Next Three Years:							
10. Mission or Major Functions: A flying wing which includes two bomb squadrons (B-1 aircraft) one of which is responsible for training all B-1 aircrews, and two airlift squadrons (C-130 aircraft); and an Air Mobility Command air refueling squadron (KC-135 aircraft).							

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
DYESS AIR FORCE BASE, TEXAS			REPLACE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.41	711-142	FNWZ930096	7,077		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE FAMILY HOUSING					4,170
REPLACE FAMILY HOUSING, PHASE 2		UN	59	66,083	(3,899)
SOLAR		LS			(271)
SUPPORTING FACILITIES					2,218
SITE PREPARATION		LS			(217)
ROADS AND PAVING		LS			(350)
UTILITIES		LS			(650)
LANDSCAPING		LS			(300)
RECREATION		LS			(90)
GARAGES AND STORAGE		LS			(436)
DEMOLITION, ASBESTOS & LEAD PAINT		LS			(175)
SUBTOTAL					6,388
CONTINGENCY (5%)					319
TOTAL CONTRACT COST					6,707
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)					369
TOTAL REQUEST					7,077
AREA COST FACTOR		.92			
10. Description of Proposed Construction: Replace 59 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new single and duplex housing units. Provides normal amenities, to include parking, air conditioning, garages, patios and privacy fencing, and neighborhood playgrounds and recreation areas. Includes asbestos and lead paint removal and solar considerations.					
UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSF	NO. UNITS	TOTAL COST
JNCO 2BR	950	.91	55	2	95,095
JNCO 3BR	1200	.91	55	19	1,141,140
SNCO 3BR	1350	.91	55	6	405,405
SNCO 4BR	1450	.91	55	10	725,725
CGO 2BR	950	.91	55	2	95,095
CGO 3BR	1350	.91	55	8	540,540
CGO 4BR	1450	.91	55	4	290,290
FGO 3BR	1400	.91	55	2	140,140
FGO 4BR	1550	.91	55	6	465,465
				59	3,898,895
11. PROJECT: Replace 59 Family Housing units. (Current Mission)					
REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Dyess AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the second of multiple phases					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
AIR FORCE			
3. INSTALLATION AND LOCATION			
DYESS AIR FORCE BASE, TEXAS			
4. PROJECT TITLE			5. PROJECT NUMBER
REPLACE FAMILY HOUSING			FNWZ930096
to provide adequate housing for base personnel. Of the 993 Capehart housing units to be replaced or upgraded in this multi-phase initiative, 150 are completed or included in prior programs, and 781 will follow in subsequent phases. The replacement housing will provide a modern kitchen, living room, family room, and bath configuration, with ample interior and exterior storage and a single car garage. Exterior parking will be provided for a second vehicle. The basic neighborhood support infrastructure will be upgraded to meet modern housing needs. Neighborhood enhancements will include landscaping, playgrounds, and recreation areas. <u>CURRENT SITUATION:</u> This project replaces Capehart housing units which were constructed in 1957. These 38 year old houses are showing the affects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations and exterior pavements require major repair or replacement due to the effects of age and the environment. Foundations and pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is outdated, and contains evidence of asbestos. Plumbing and electrical systems are outdated and require abnormal maintenance and repair. Lighting systems throughout the houses are inefficient and do not meet modern needs. Heating and air conditioning systems require upgrade or replacement. Off-street parking is severely limited causing traffic congestion. Traffic flow in and around the housing area is inefficient. <u>IMPACT IF NOT PROVIDED:</u> Major morale problems will result because some people will continue to occupy substandard housing while neighbors and friends are in new, replaced units. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analysis shows a housing deficit of 169 units. Without this and subsequent phases of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". There will be no increase in the student population or impact on the local school district to support base dependents. An economic analysis was prepared comparing alternatives of construction, revitalization, leasing, and statusquo operation. Based on net present values and benefits of respective alternatives, improvement was found to be the most cost effective over the life of the project. However, since improvement costs exceeded 70% of replacement value, replacement was selected as the best option in accordance with current OSD and Congressional policy. Updated improvement costs represent 73% of FY95 Replacement costs.			

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR 1995		REPORT CONTROL SYMBOL DD-A&L (AR) 1718			
3. DTD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME DYESS AIR FORCE BASE, TEXAS		b. LOCATION ABILENE, TEXAS					
5. DATA AS OF APRIL 1993									
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		785	3,363	1,027	5,175	780	3,194	1,119	5,073
7. PERMANENT PARTY PERSONNEL		785	3,363	1,027	5,175	780	3,194	1,119	5,073
8. GROSS FAMILY HOUSING REQUIREMENTS		630	2,615	392	3,637	613	2,512	425	3,550
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		19	159	72	250				
a. INVOLUNTARILY SEPARATED		4	7	3	14				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLY HOUSED IN COMMUNITY		15	152	69	236				
10. VOLUNTARY SEPARATIONS		19	69	13	101	18	64	15	97
11. EFFECTIVE HOUSING REQUIREMENTS		611	2,546	379	3,536	595	2,448	410	3,453
12. HOUSING ASSETS (a + b)		611	2,477	313	3,401	595	2,349	340	3,284
a. UNDER MILITARY CONTROL		121	788	83	990	121	788	83	990
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		118	741	83	940	121	788	83	990
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		5	45	0	50				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		490	1,689	230	2,411	474	1,563	257	2,294
(1) ACCEPTABLY HOUSED		478	1,648	224	2,348	461	1,521	250	2,232
(2) VACANT RENTAL HOUSING		14	45	6	65	13	42	7	62
13. EFFECTIVE HOUSING DEFICIT		0	69	65	135	0	99	70	169
14. PROPOSED PROJECT						29	30		59
15. REMARKS (IF SPECIFY ITEM NUMBER)									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
LANGLEY AIR FORCE BASE, VIRGINIA				AIR COMBAT COMMAND				0.83			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93		2259	6511	1859	64	106	10	3	11	19	10,842
b. End FY 1999		2185	6612	1863	64	106	10	3	11	19	10,873
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,440)											
b. Inventory Total As Of: (30 SEP 93) 249,505											
c. Authorization Not Yet In Inventory: 15,900											
d. Authorization Requested In This Program: 14,421											
e. Authorization Included In Following Program: (FY 1996) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 0											
h. Grand Total: 279,826											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
711-142	REPLACE FAMILY HOUSING				148 UN	14,421	TURN KEY				
						TOTAL:	14,421				
9a. Future Projects: Included in the Following Program (FY 1996) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: Headquarters Air Combat Command; a fighter wing with three fighter squadrons (F-15 and C-21 aircraft); an aircraft delivery group; an air intelligence group; the Air Combat Operations School; and the USAF Doctrine Center.											

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE			
LANGLEY AIR FORCE BASE, VIRGINIA		REPLACE FAMILY HOUSING			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.41	711-142	MUHJ937003	14,421		
9. COST ESTIMATES					
ITEM	U/H	QUANTITY	UNIT COST	COST (\$000)	
REPLACE FAMILY HOUSING, PHASE 3	UN	148	61,507	9,103	
SUPPORTING FACILITIES				3,915	
SITE PREPARATION	LS			(630)	
ROADS AND PAVING	LS			(860)	
UTILITIES	LS			(999)	
LANDSCAPING AND NEIGHBORHOOD IMPROVMENT	LS			(168)	
RECREATION	LS			(105)	
MULTIPLEX FIRE PROTECTION	LS			(603)	
DEMOLITION (INCLUDES ASBESTOS & LBP)	LS			(550)	
SUBTOTAL				13,018	
CONTINGENCY (5%)				651	
TOTAL CONTRACT COST				13,669	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				752	
TOTAL REQUEST				14,421	
AREA COST FACTOR		.92			
10. Description of Proposed Construction: Replace 148 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and new multiplex housing units. Provides all support to include parking, garages, air conditioning, exterior patios, privacy fencing, and neighborhood playgrounds and recreation areas. Includes asbestos and lead paint removal, fire protection & EMCS loadshedding.					
UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSF	NO. UNITS	TOTAL COST
JNCO 2BR	950	.90	55	38	1,786,950
JNCO 3BR	1200	.90	55	38	2,257,200
SNCO 3BR	1350	.90	55	26	1,737,450
SNCO 4BR	1450	.90	55	42	3,014,550
SNCO 5BR	1550	.90	55	4	306,900
				148	9,103,050
11. PROJECT: Replace 148 Family Housing units. (Current Mission) REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Langley AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the third of multiple phases to provide adequate housing for base personnel. Of the total of 1638 units to be upgraded or replaced in this multi-phased initiative, 364 have been upgraded, 180 will be completed in this phase and 1274 will follow in subsequent phases. This replacement housing will					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
LANGLEY AIR FORCE BASE, VIRGINIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING	MUHJ937003	
provide a modern kitchen, living room, family room, and bath configuration, with ample interior and exterior storage and a single car garage. Exterior parking will be provided for a second vehicle. The neighborhood infrastructure will be upgraded to meet modern housing needs. Neighborhood enhancements will include landscaping and recreation areas. <u>CURRENT SITUATION:</u> This project replaces Appropriated units which are over 19 years old and are showing the affects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Utility systems and exterior pavements require major repair or replacement due to the effects of age and the environment. Roof structures show signs of rot. Pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is worn and outdated. Plumbing, sanitary sewer, and electrical systems are outdated and require abnormal maintenance and repair. The sanitary sewer system cannot support the infrastructure requirements of the area. Electrical circuits do not meet National Electric Code requirements. <u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to live in extremely outdated, substandard and unsatisfactory housing. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analyses base shows a housing deficit of approximately 100 units. Without this and subsequent phases of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost effective over the life of the project. However, since improvement costs exceeded 70% of the replacement value, replacement construction was selected.		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT		2. FISCAL YEAR		REPORT CONTROL SYMBOL		
				1985 1982		DD-AHL (AR) 1718		
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION						
5. DATA AS OF AUGUST 1982		a. NAME LANGLEY AIR FORCE BASE, VIRGINIA		b. LOCATION HAMPTON, VIRGINIA				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT		PROJECTED				
	OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	2,181	5,303	1,353	8,847	2,157	5,101	1,282	8,520
7. PERMANENT PARTY PERSONNEL	2,181	5,303	1,353	8,847	2,157	5,101	1,282	8,520
8. GROSS FAMILY HOUSING REQUIREMENTS	1,742	3,205	425	5,372	1,722	3,103	394	5,219
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	74	24	98	196				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0				
c. UNACCEPTABLY HOUSED IN COMMUNITY	74	24	98	196				
10. VOLUNTARY SEPARATIONS	0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS	1,742	3,205	425	5,372	1,722	3,103	394	5,219
12. HOUSING ASSETS (a + b)	1,705	3,236	336	5,277	1,687	3,135	312	5,134
a. UNDER MILITARY CONTROL	372	1,210	0	1,588	372	1,210	0	1,588
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	372	1,210	0	1,588	372	1,210	0	1,588
(2) UNDER CONTRACT/APPROVED					0	0	0	0
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	1,333	2,020	336	3,689	1,315	1,919	312	3,546
(1) ACCEPTABLY HOUSED	1,296	1,985	327	3,588	1,277	1,864	303	3,444
(2) ACCEPTABLE VACANT RENTAL	37	55	9	101	38	55	9	102
13. EFFECTIVE HOUSING DEFICIT	37	(31)	89	95	35	(32)	82	85
14. PROPOSED PROJECT						148		148
15. REMARKS (SPECIFY ITEM NUMBER)								
DATA IN THIS FORM IS FROM THE HOUSING MARKET ANALYSIS DATED SEPTEMBER 1982								

DD FORM 152, NOV 79

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)										2. DATE	
AIR FORCE													
3. INSTALLATION AND LOCATION							4. COMMAND				5. AREA CONST COST INDEX		
FAIRCHILD AIR FORCE BASE, WASHINGTON							AIR COMBAT COMMAND				1.11		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED					
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL		
a. As of 30 SEP 93		562	3570	495	140	372	22					5,161	
b. End FY 1999		566	3423	541	116	80	1	1	1	15	4,744		
7. INVENTORY DATA (\$000)													
a. Total Acreage: (6,060)													
b. Inventory Total As Of: (30 SEP 93)											313,123		
c. Authorization Not Yet In Inventory:											10,760		
d. Authorization Requested In This Program:											1,035		
e. Authorization Included In Following Program: (FY 1996)											0		
f. Planned In Next Three Program Years:											0		
g. Remaining Deficiency:											0		
h. Grand Total:											324,918		
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995													
CATEGORY		PROJECT TITLE					SCOPE		COST (\$000)		DESIGN STATUS		
CODE									START		CMPL		
711-142		REPLACE SENIOR OFFICER HOUSING					6 UN		1,035		TURN KEY		
							TOTAL:		1,035				
9a. Future Projects: Included in the Following Program (FY 1996) NONE													
9b. Future Projects: Typical Planned Next Three Years:													
10. Mission or Major Functions: An Air Combat Command bomb wing which includes one B-52 squadron; two Air Mobility Command air refueling squadrons (KC-135 aircraft); an Air National Guard air refueling wing (KC-135 aircraft); and the Air Education and Training Survival Training School (UH-1 helicopters).													

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE						
3. INSTALLATION AND LOCATION				4. PROJECT TITLE		
FAIRCHILD AIR FORCE BASE, WASHINGTON				REPLACE SENIOR OFFICER HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)			
8.87.41	711-142	GJKZ950024	1,035			
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE SENIOR OFFICER HOUSING		UN	6	99,110	595	
SUPPORTING FACILITIES					340	
SITE PREPARATION		LS			(50)	
ROADS AND PAVING		LS			(80)	
UTILITIES		LS			(60)	
LANDSCAPING		LS			(30)	
GARAGES AND STORAGE		LS			(60)	
DEMOLITION, ASBESTOS & LEAD ABATEMENT		LS			(60)	
SUBTOTAL					935	
CONTINGENCY (5%)					47	
TOTAL CONTRACT COST					982	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)					54	
TOTAL REQUEST					1,035	
AREA COST FACTOR		1.00				
10. Description of Proposed Construction: Replacement of six Senior Officer Housing units (SOQs). Project will provide new housing with attached double car garage and all necessary support. Supporting facilities include sitework, utility systems, roads, parking, walkways, landscaping, and special features. Demolish five existing SOQ's, and associated infrastructure. Includes asbestos and lead paint removal.						
		NET	PROJECT	S/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST	
SGO 48R	1700	1.06	55	6	594,660	
				6	594,660	
11. PROJECT: Replace six Senior Officer Housing units. (Current Mission) REQUIREMENT: Provide modern and efficient four bedroom housing appropriate for family living and the entertainment responsibilities of the installation senior command staff. The housing and housing environment must provide the amenities comparable to that found in off base communities. All units will meet "whole house" standards. The Senior Officer housing area must be relocated to comply with the Housing Community Plan (HCP). CURRENT SITUATION: The existing housing units were built in 1957 and do not meet current standards for senior officer housing, nor do they provide the modern efficient home layout and amenities found in off base communities. These units have never received major improvements and are showing the wear and tear of years of continuous use. The units have only 1 1/2 baths, and three bedrooms. Layout, utilities, cabinets and fixtures are all dated, substandard, and in need of replacement. The houses are						

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
FAIRCHILD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE		5. PROJECT NUMBER
REPLACE SENIOR OFFICER HOUSING		GJKZ950024
constructed on concrete slabs, with wood frames. Service lines were placed beneath the concrete slab making replacement and repair difficult and expensive. Electrical, plumbing, mechanical, and structural systems need major repair, or complete replacement. Electrical systems are at maximum capacity. The roof structures require complete replacement, and the insulation, heating, and air conditioning systems are energy inefficient and need to be brought up to modern standards. The units do not meet the minimum size standards for senior officers. The housing to be replaced by this project is located adjacent to administrative/recreation functions (credit union, club, dormitories and transient billeting) which are not a normal part of a housing environment. The HCP proposes moving all of the Senior Officer housing to a new site adjacent to the existing housing area. Five existing SOOs will be demolished, and one, located in a separate area, will be retained to satisfy a deficiency in other grades. <u>IMPACT IF NOT PROVIDED:</u> The base will continue to have substandard housing to support senior leadership. The condition of the housing will reflect poorly to the many dignitaries frequently entertained in this housing area. As the housing continues to age, accelerated deterioration of electrical, plumbing, and other systems can be expected, with increasing and unacceptable maintenance and repair costs to the base. Housing occupants will continue to reside in an area which does not provide normal community amenities, or a living environment compatible with the leadership position and entertainment responsibilities of the occupants. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is a replacement project, there will be no increase in the student population or impact on the ability of local school districts to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project.		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR 1995		REPORT CONTROL SYMBOL DD-A&L (AR) 1716			
3. (UIC) COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME FAIRCHILD AIR FORCE BASE, WASHINGTON				b. LOCATION SPOKANE, WASHINGTON			
5. DATA AS OF APRIL 1993		ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT		PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (a)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		612	2,722	810	4,144	596	2,664	792	4,054
7. PERMANENT PARTY PERSONNEL		612	2,722	810	4,144	596	2,664	792	4,054
8. GROSS FAMILY HOUSING REQUIREMENTS		485	2,291	392	3,168	473	2,224	379	3,076
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		18	260	110	388				
a. INVOLUNTARILY SEPARATED		0	9	6	15				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		6	0	0	6				
c. UNACCEPTABLY HOUSED IN COMMUNITY		12	251	104	367				
10. VOLUNTARY SEPARATIONS		7	87	9	103	8	75	11	92
11. EFFECTIVE HOUSING REQUIREMENTS		478	2,204	383	3,065	467	2,149	368	2,984
12. HOUSING ASSETS (a + b)		462	1,948	274	2,685	458	1,941	280	2,682
a. UNDER MILITARY CONTROL		177	1,210	91	1,478	159	1,160	159	1,478
(1) HOUSED IN EXISTING DDO OWNED/CONTROLLED		177	1,210	91	1,478	159	1,160	159	1,478
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		285	738	183	1,207	299	781	134	1,214
(1) ACCEPTABLY HOUSED		283	734	182	1,199	297	776	133	1,206
(2) ACCEPTABLE VACANT RENTAL		2	5	1	8	2	5	1	8
13. EFFECTIVE HOUSING DEFICIT		18	255	109	380	9	208	75	292
14. PROPOSED PROJECT						6			6
15. REMARKS (SPECIFY ITEM NUMBER)									
ITEMS 1-13: INFORMATION REPORTED IN THIS TABLE IS TAKEN FROM THE HOUSING MARKET ANALYSIS DATED APRIL 1993									

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION		4. COMMAND						5. AREA CONST		
F E WARREN AIR FORCE BASE, WYOMING		AIR FORCE						COST INDEX		
		SPACE COMMAND						1.02		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 93		559	3030	557						
b. End FY 1999		575	2898	541						
										TOTAL
										4,146
										4,014
7. INVENTORY DATA (\$000)										
a. Total Acreage: (6,701)										
b. Inventory Total As Of: (30 SEP 93) 220,072										
c. Authorization Not Yet In Inventory: 10,750										
d. Authorization Requested In This Program: 11,321										
e. Authorization Included In Following Program: (FY 1996) 0										
f. Planned In Next Three Program Years: 0										
g. Remaining Deficiency: 0										
h. Grand Total: 242,143										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS		
CODE								START	CMPL	
711-142	REPLACE FAMILY HOUSING			106 UN	11,321	TURN KEY				
				TOTAL:	11,321					
9a. Future Projects: Included in the Following Program (FY 1996) NONE										
9b. Future Projects: Typical Planned Next Three Years:										
10. Mission or Major Functions: Headquarters Twentieth Air Force; an AFSPC missile wing consisting of one Peacekeeper and three Minuteman intercontinental ballistic missile squadrons which maintain a continuous alert posture (UH-1 helicopters).										

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
F E WARREN AFB, WYOMING			REPLACE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.41	711-142	CHLN951005	11,321		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE WHERRY FAMILY HOUSING, PHASE 2		UN	106	69,960	7,416
SUPPORTING FACILITIES					2,804
SITE PREPARATION		LS			(895)
ROADS AND PAVING		LS			(985)
LANDSCAPING		LS			(274)
RECREATION		LS			(94)
OTHER (DEMOLITION)		LS			(556)
SUBTOTAL					10,220
CONTINGENCY (5%)					511
TOTAL CONTRACT COST					10,731
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)					590
TOTAL REQUEST					11,321
AREA COST FACTOR		1.08			
10. Description of Proposed Construction: Demolition of 106 housing units and construction of new family housing with all necessary supporting facilities. Project includes attached garages, energy conservation features, and appliances. Supporting facilities include site preparation, utilities, pavements, communications, parking, landscaping and recreation areas. Asbestos removal.					
	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 3BR	1200	1.06	55	106	7,415,760
				106	7,415,760
11. <u>PROJECT</u> : Replace 106 Family Housing units. (Current Mission)					
<u>REQUIREMENT</u> : This project is required to provide modern and efficient housing for military members and their dependents stationed at F E Warren AFB. All units will meet "whole house" standards and provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This project completes Phase B of the Housing Community Plan (HCP). The HCP is being revised to reflect personnel changes and will show the above grade and unit mix.					
<u>CURRENT SITUATION</u> : The existing Wherry family housing units were constructed over 40 years ago. They were declared substandard in 1972. These facilities are so poor that living in them is strictly voluntary and at reduced BAQ rates. They continue in use because off-base housing is extremely limited in this isolated community. When available, off-base housing is very expensive, and frequently little better than the units being replaced by this project. Few adequate houses are available and					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
AIR FORCE			
3. INSTALLATION AND LOCATION			
F E WARREN AFB, WYOMING			
4. PROJECT TITLE			5. PROJECT NUMBER
REPLACE FAMILY HOUSING			GHLN951005
affordable for the Junior NCOs. The existing Wherry housing is deficient in size by an average of 300 square feet per unit. The concrete block cavity walls have one inch rigid board insulation, and the flat concrete roof decks have a minimum of rigid board insulation. The concrete floor slabs and block wall exteriors of many units have extensive structural cracks. Housing density is high, and there is little privacy for occupants using backyards. There are no family rooms, porches, carports, garages, or storage rooms. Electrical systems do not meet current codes. There are no GFI circuits, and the number of outlets is minimal. Furnaces are not installed per current codes and the majority require replacing. Bathroom fixtures and finishes are antiquated and in need of total replacement. Kitchens are small, and all fixtures and cabinets are badly deteriorated. Kitchen space is further limited by the presence of washer and dryer equipment. All windows are single glazed, steel frame, and are not energy efficient. The units are drafty, and very difficult to keep warm in the cold, windy Wyoming winters. IMPACT IF NOT PROVIDED: The substandard housing units will continue to be occupied because no other housing is available. Local community housing is almost nonexistent, and the situation is deteriorating. Since this project was initiated, a new business has moved to the area and is providing 350 new jobs, but no new housing is being constructed. Without this and the subsequent phase of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, improvement, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project.			

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR 1994		REPORT CONTROL SYMBOL DD-A&L (AR) 1719			
3. FOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION		5. LOCATION					
5. DATA AS OF FEBRUARY 1992		a. NAME FRANCIS E. WARREN AIR FORCE BASE		b. LOCATION ONE MILE NORTHWEST OF CHEYENNE, WYOMING					
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (a)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		635	2,346	683	3,664	555	2,337	678	3,570
7. PERMANENT PARTY PERSONNEL		635	2,346	683	3,664	555	2,337	678	3,570
8. GROSS FAMILY HOUSING REQUIREMENTS		442	1,666	115	2,253	383	1,685	202	2,270
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		77	524	31	632				
a. INVOLUNTARILY SEPARATED		5	9	8	20				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED			111		111				
c. UNACCEPTABLY HOUSED IN COMMUNITY		72	404	25	501				
10. VOLUNTARY SEPARATIONS		10	89	5	104	9	89	5	103
11. EFFECTIVE HOUSING REQUIREMENTS		432	1,807	110	2,149	374	1,596	197	2,167
12. HOUSING ASSETS (a + b)		368	1,108	62	1,556	298	1,009	106	1,411
a. UNDER MILITARY CONTROL		114	507		621	114	507		621
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		113	508		619	114	507		621
(2) UNDER CONTRACT/APPROVED									
(3) VACANT									
(4) INACTIVE		1	1		2				
b. PRIVATE HOUSING		252	601	62	935	182	502	106	790
(1) ACCEPTABLY HOUSED		242	577	79	898				
(2) ACCEPTABLE VACANT RENTAL		10	24	3	37				
13. EFFECTIVE HOUSING DEFICIT		86	499	28	593	76	587	91	756
14. PROPOSED PROJECT							106		106
15. REMARKS (SPECIFY ITEM NUMBER)									
ITEM 6 - 13. BASIC DATA WERE EXTRACTED FROM THE HOUSING MARKET OF ANALYSIS FEBRUARY 1992.									

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST

POST ACQUISITION CONSTRUCTION

Program (In Thousands)

FY 1995 Program \$ 61,770
FY 1994 Program \$ 75,070

Purpose and Scope

The Air Force operates approximately 120,000 family housing units. The average age of housing units in the Air Force inventory is more than 30 years old. Over 60,000 units require improvements or renovation to meet contemporary living standards during the next decade. Many of these units require major expenditures to repair or replace deteriorated mechanical, electrical, or structural components, and to provide some of the modern amenities found in comparable civilian community housing. The Post Acquisition Construction Program provides this needed revitalization. Each project also includes a significant amount of concurrent maintenance and repair to maximize the project cost effectiveness (average per project is 68%).

The Air Force is the acknowledged DoD leader in developing the "whole house" revitalization concept. Whole house is the combination of needed maintenance and repair together with improvements to bring the unit to contemporary standards. In addition, we are looking beyond the house to the entire housing area in our Housing Community Plan. Our "whole neighborhood" concept is being developed and includes the development of neighborhood vehicular and pedestrian circulation concepts to consider siting, density, landscaping, parking, playgrounds, recreation area and utilities, in addition to the housing unit itself.

Consistent with Appropriation Committees' language in FY 85, the Air Force has gathered data on the post acquisition construction projects to detail past projects on these units and any future work being programmed within a three year period. This information is provided as a part of this submittal.

Program Summary

Authorization is requested for:

- (1) Various improvements to existing family housing, as described on DD Form 1391.
- (2) Appropriation of \$ 61,770,000 to fund these projects.

NOTE: Projects within the program are within the statutory limitation of \$50,000 per unit adjusted by area cost factor, except as identified by separate DD Form 1391.

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
VARIOUS AIR FORCE BASES			POST ACQUISITION CONSTRUCTION		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.42	711-000	XXXX9500PAIP	61,770		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
POST ACQUISITION CONSTRUCTION		UN	810	76,259	61,770
PROJECTS TO IMPROVE FAMILY HOUSING					(61,770)
SUBTOTAL					61,770
TOTAL CONTRACT COST					61,770
TOTAL REQUEST					61,770
10. Description of Proposed Construction: Includes all work necessary to revitalize military family housing by providing: air conditioning, where authorized; modern functional layouts; soundproofing; and utility and site improvements. Energy conservation actions include new and additional insulation, storm windows, solar screens, and more efficient heating and cooling systems. (Continued on next pages.) 11. PROJECT: This request is for appropriation of \$61.770 million to accomplish improvements in family housing units. REQUIREMENT: To revitalize and improve the livability of older, obsolete family housing units, to conserve energy in these older housing units, and to bring utility systems up to current safety standards. Whole-house improvements includes but are not limited to: kitchen upgrades, bathroom additions/upgrades; repair/replacement of roofs, upgrade of mechanical & electrical systems, replacement of windows, doors, floors and exterior improvements (patios, fences, etc.) CURRENT SITUATION: The majority of these housing units were constructed since the late 1940's using various design and construction criteria, with different types of material, installed equipment, appliances, livability, and appearance. Many utility and structural systems were designed and constructed during years of plentiful, inexpensive energy resources. Insulation, storm windows, etc., not previously cost effective, are now wise investments. This FY 1995 program will prolong the useful life of many of our older, less modern units by enhancing livability, reducing operation costs and improving safety aspects. ADDITIONAL: These projects meet the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" except as noted on the individual DD Form 1391s.					

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4. PROJECT TITLE	5. PROJECT NUMBER																							
POST ACQUISITION CONSTRUCTION	N/A																							
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- Improve 62 family housing units. Upgrade kitchen/baths, correct floor plan/unit layout deficiencies, provide second bath as required, upgrade electrical/plumbing systems, replace doors/windows with energy efficient units, insulate ceiling and exterior walls, install carpet, paint, repair/treat termite damage provide patio covers, enlarge storage sheds and landscape as required. (Separate DD Form 1391 attached)																																
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: Heating, ventilating and air conditioning systems were replaced in FY 92.																																
- WORK PROGRAMMED FOR NEXT THREE YEARS: None																																

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA		2. DATE																					
AIR FORCE	(computer generated)																							
3. INSTALLATION AND LOCATION																								
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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST

POST ACQUISITION CONSTRUCTION PROJECTS (over \$50,000 per unit)

A separate DD Form 1391 follows for each Post Acquisition Construction project which is over \$50,000 per unit (multiplied by the Area Cost Factor).

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MAXWELL AIR FORCE BASE ALABAMA			IMPROVE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.42	711-144	PNQS944020	138		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING		UN	1	127,500	128
SUBTOTAL					128
CONTINGENCY (5%)					6
TOTAL CONTRACT COST					134
SUPERVISION, INSPECTION AND OVERHEAD (3%)					4
TOTAL REQUEST					138
HOST EXPENSIVE UNIT		\$138,000			
AREA COST FACTOR		0.77			
10. Description of Proposed Construction: Improve one General Officer Quarters. Work includes exterior and interior repairs to electrical and mechanical systems, bathrooms, replace kitchen appliances, windows, and water/sewer lines; repair roof, floors, doors, window casing, and fireplace; repaint interior walls; clean brass hardware; relocate telephone wiring; add storage and covered patio; provide landscaping.					
11. PROJECT: Provides for improvements and repairs to one General Officer Quarters.					
REQUIREMENT: This project is required to provide adequate quarters for a general officer and family assigned to this installation. This is the fifth phase of a 7-phase program which will renovate a total of 6 units. (Phase 1 is programmed for FY 90 ; phase 2 cancelled; phase 3 is programmed for FY 92; phase 4 through phase 7 are programmed for FY 93 through FY 96). The project scope is in accordance with "whole house" standards and is programmed in accordance with the Housing Community Plan. CURRENT SITUATION: These quarters were constructed in the 1930's. They do not meet current Air Force criteria on energy conservation. The heating, ventilation, and air conditioning systems are two different systems that do not provide adequate or efficient service. The interior electrical system has deteriorated and presents a safety hazard. The doors and windows have been painted repeatedly over the years and do not open or close properly. The bathroom tiles are cracked and broken. The roof has deteriorated and portions of the deck need replacement. Covered patio was added to the quarters during the 1960's and is in dire need of repairs and is not architecturally compatible with the quarters. The internal telephone wiring throughout the home is mounted along the baseboards of the walls. The roof has severe leaks. This unit has					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE FAMILY HOUSING	PNQS944020	
inadequate space for storage. <u>IMPACT IF NOT PROVIDED:</u> Excessive maintenance, repair and energy costs will continue to be incurred due to age and deterioration of the building systems. The roof will enter a failure mode, requiring ever increasing piecemeal repair and developing structural damage due to water leakage. The facility will continue to deteriorate until it can no longer be safely occupied. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None <u>ADDITIONAL:</u> This housing unit is on the national register for historical preservation. This project meets the criteria/scope specified in Part II of Military Handbook 1190, Facility Planning and Design Guide.		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MAXWELL AIR FORCE BASE, ALABAMA			IMPROVE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.42	711-144	PNQS964019	2,700		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING		UN	20	124,800	2,496
SUBTOTAL					2,496
CONTINGENCY (5%)					125
TOTAL CONTRACT COST					2,621
SUPERVISION, INSPECTION AND OVERHEAD (3%)					79
TOTAL REQUEST					2,700
MOST EXPENSIVE UNIT					\$182,625
AREA COST FACTOR					0.77
10. Description of Proposed Construction: Improve 20 Appropriated units (PFY50). Replace electrical system, HVAC, windows, doors, sunrooms floors; upgrade hot water system, sewer line, interior plumbing, light fixtures, sunrooms; repair roofs, interior hardware; refinish hardwood floors; provide new flooring in kitchen, laundry and baths; repaint interior walls, clean brass hardware. Add outside storage; landscaping.					
11. <u>PROJECT</u> : Provides for improvements and repairs to 20 Appropriated (PFY50) military family housing Senior Officer Quarters (SOQ). <u>REQUIREMENT</u> : This project is required to provide modern, energy efficient, and low maintenance housing units for senior officers and their families. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. This is the sixth phase of a 9-phase program which will renovate a total of 93 SOQ units. <u>CURRENT SITUATION</u> : These quarters were constructed in the 1930's. They do not meet current Air Force criteria on energy conservation. The heating, ventilation, and air conditioning systems are two different systems that do not provide adequate or efficient service. The interior electrical systems have deteriorated and present a safety hazard. The doors and windows have been painted repeatedly over the years and do not open or close properly. The bathroom tiles are cracked and broken. The roofs have deteriorated and portions of the decks need replacement. These units have inadequate space for storage of personal belongings and household items forcing occupants to store flammables indoors and causing tremendous living inconvenience. In addition to high utility costs, maintenance of these facilities are abnormally high and will continue to escalate if units are not improved. <u>IMPACT IF NOT PROVIDED</u> : Air Force members and their families will be					

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MAXWELL AIR FORCE BASE, ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE FAMILY HOUSING	PNQS964019	
forced to live in substandard housing causing major morale problems for the occupants and hindering the mission of the base. Without this and subsequent phases of this initiative, repairs to these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement to quality of life. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None <u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of construction, improvement, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost effective over the life of the project. These quarters have been placed on the national register for historical preservation. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide."		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE						
3. INSTALLATION AND LOCATION				4. PROJECT TITLE		
ELMENDORF AIR FORCE BASE, ALASKA				IMPROVE FAMILY HOUSING		
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST(\$000)
8.87.42		711-143		FXSB944001R2		6,168
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
IMPROVE FAMILY HOUSING				UN	64	54,860
SUPPORTING FACILITIES						3,511
UTILITIES				LS		2,192
RECREATIONAL FACILITIES				LS		(765)
LANDSCAPING				UN	72	(366)
PAVEMENTS				SY	10,000	(145)
FIRE SPRINKLER				UN	27	(270)
ASBESTOS REMOVAL				UN	64	(352)
DEMOLITION				UN	72	(236)
SUBTOTAL				UN	8	(58)
						5,703
CONTINGENCY (5%)						285
TOTAL CONTRACT COST						5,988
SUPERVISION, INSPECTION AND OVERHEAD (3%)						180
TOTAL REQUEST						6,168
MOST EXPENSIVE UNIT		\$100,000				
AREA COST FACTOR		1.69				
10. Description of Proposed Construction: Improve 8 each 8-plex. Work includes reorientated kitchens and dining rooms, addition of garages and arctic entries with half baths, remodel bath, bed and living rooms, carpet installation, and repair of siding, roofing and mech/elect systems. Exterior work includes utility upgrade, recreational facilities, pavements landscaping, and walkways. Convert basement to indoor activity room.						
11. PROJECT: Improve 64 family housing units.						
<u>REQUIREMENT:</u> Military Family Housing units must be upgraded to Air Force standards for size, safety, maintainability, appearance, and comfort. JNCO's are authorized 950 SF 2 - bedroom, 1 1/2 bathroom units, including half baths on the first floor in two story units. Attached garages, arctic entries, and adequate storage are essential for winter survival in Alaska. Private yards, improved parking, attractive landscaping, and recreational facilities (i.e., playgrounds for children, picnic shelters for families) are needed to develop a neighborhood that respects individual privacy and ensures community unity and involvement. Modern and reliable utility systems are required to provide the basic essentials of living: heat, electricity, water and sanitation. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan.						
<u>CURRENT SITUATION:</u> Units were constructed in 1954 and have not been renovated. Their 842 NSF makes them minimally adequate for JNCOs. There are no garages and bulk storage space is minimal. Occupants must therefore store lawn, automotive, and flammable materials in their small basements, thus creating fire hazards and great inconvenience. All entries to the units from the parking area must pass through small, substandard kitchens. The dining room is only 8'-7" wide. The living room is						

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AIR FORCE			
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ELMENDORF AIR FORCE BASE, ALASKA			
4. PROJECT TITLE			5. PROJECT NUMBER
IMPROVE FAMILY HOUSING			FXSB944001R2
bisected by entry/stair traffic, making furniture placement and room usage difficult. The 2nd floor bathroom is poorly laid out with inadequate lavatory and storage space, and antiquated fixtures. No bathroom exists on the first floor. Utilities provide inadequate, inefficient, and often unsafe service at increasing maintenance costs. Neighborhoods contain no playgrounds, sparse landscaping, and broken sidewalks. Open court parking is congested and individual units lack any exterior privacy. There is no sense of community or home. <u>IMPACT IF NOT PROVIDED:</u> Unrenovated and without garages, these MFH units will continue to deteriorate. Maintenance, repair and operations costs of these quarters will continue to increase due to the age and deterioration of the building systems. The Air Force will continue to fund excessive maintenance and energy costs. The units will continue to deteriorate until they become uninhabitable. Failure to provide adequate housing will result in higher out of pocket expenses, and lower morale and retention. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None. <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost effective over the life of the project. The initial cost percentage of improvement versus replacement cost is 49 percent.			

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AIR FORCE					
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LITTLE ROCK AIR FORCE BASE, ARKANSAS			IMPROVE GENERAL OFFICER QUARTERS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.42	711-111	NKAK954001	122		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE GENERAL OFFICER QUARTERS		UN	1	106,000	106
SUPPORTING FACILITIES			2,800	300	6
ASBESTOS REMOVAL		LS			(3)
LEAD PAINT ABATEMENT		LS			(3)
SUBTOTAL					112
CONTINGENCY (5%)					6
TOTAL CONTRACT COST					118
SUPERVISION, INSPECTION AND OVERHEAD (3%)					4
TOTAL REQUEST					122
MOST EXPENSIVE UNIT		\$122,000			
AREA COST FACTOR		0.79			
10. Description of Proposed Construction: Improve one GOQ. Reconfigure living room, dining area, bedrooms, laundry, entry, add bulk storage and modernize kitchen and bathrooms. Convert carport to a garage. Replace flat roof with sloped roof. Replace windows, doors, lighting, electrical system, HVAC, and finishes. Enclose soffits and repair siding. Remove asbestos and abate lead paint. Add net square footage.					
11. <u>PROJECT</u> : Improve 1 Capehart General Officer unit.					
<u>REQUIREMENT</u> : Provide adequate quarters for a general officer and family meeting whole house standards.					
<u>CURRENT SITUATION</u> : Implementation of the Air Force Objective Wing concept created a new general officer position at this base and a general officer is now assigned as the Wing Commander. The existing unit has received no major renovation or upgrades since its construction in 1958. The kitchen configuration creates a circulation problem, and with the washer and dryer located in the kitchen, there is unusable space. Three of the four bedrooms and their closets are undersize. Bathrooms have dated ceramic tile floors, wainscot, and vanity cabinets. Dining area is undersize. Heat pump, water heater and plumbing fixtures are at the end of their useful life. Below slab sanitary sewage lines have deteriorated and need to be replaced. Bathroom receptacles lack ground-fault circuit-interrupter or circuit breaker, and unit wiring lacks ground conductor. Flat carport roof is leaking, causing the plywood deck to rot. Paint on wood fascia is peeling. Windows require replacement. Net square footage will be increased to authorized amount.					
<u>IMPACT IF NOT PROVIDED</u> : Unit will continue to deteriorate, exacerbating maintenance and repair costs. Energy consumption will increase due to age and deterioration of inadequate and inefficient building systems. Utility					

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LITTLE ROCK AIR FORCE BASE, ARKANSAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE GENERAL OFFICER QUARTERS	NKAK954001	
costs will continue to increase. Unit will become uninhabitable. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> FY92 Construct Patio \$11.6K; FY92 Repair Porch \$13.2K <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None. <u>ADDITIONAL:</u> Project is IAW Housing Community Plan. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost effective over the life of the project. The initial cost of improvement is 68.9% of replacement cost.		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
TRAVIS AIR FORCE BASE, CALIFORNIA			IMPROVE GENERAL OFFICERS QUARTERS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.42	711-143	XDAT954003	236		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
IMPROVE GENERAL OFFICERS QUARTERS	UN	3	67,800	203	
SUPPORTING FACILITIES				15	
ASBESTOS REMOVAL	UN	3	1,000	(3)	
LEAD PAINT ABATEMENT	UN	3	4,000	(12)	
SUBTOTAL				218	
CONTINGENCY (5%)				11	
TOTAL CONTRACT COST				229	
SUPERVISION, INSPECTION AND OVERHEAD (3%)				7	
TOTAL REQUEST				236	
MOST EXPENSIVE UNIT \$88,916					
AREA COST FACTOR 1.37					
10. Description of Proposed Construction: Improve three General Officer units. Reconfigure kitchen/laundry area; upgrade bathrooms, mechanical and electrical systems. Replace exterior wood doors, including garage; repair windows, replace roof and add insulation, insulate exterior walls; upgrade driveways, off-street parking, landscaping, and irrigation. Remove asbestos and abate lead paint.					
11. <u>PROJECT</u> : Improve 3 appropriated General Officer units. <u>REQUIREMENT</u> : Project is required to provide adequate quarters for the Travis Wing Commander and two Numbered Air Force Commanders. Units require modernization to provide energy efficient and low maintenance housing. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. <u>CURRENT SITUATION</u> : Implementation of the Air Force Objective Wing concept created a new general officer position at this base and a general officer is now assigned as the Wing Commander. One unit was constructed in 1957, the other two units in 1962; all have received only minor improvements, maintenance and repairs. Existing roof slope is insufficient and roof and siding is uninsulated. Kitchen and laundry room layout is inefficient. Two units lack family rooms. Mechanical system has exceeded useful life expectancy and requires replacement, along with outdated ducting. Electrical system does not conform to current code. Bathroom fixtures and flooring and driveways require replacement. Off-street parking is minimal. <u>IMPACT IF NOT PROVIDED</u> : Units will continue to deteriorate, exacerbating maintenance and repair costs. Energy consumption will increase due to age and deterioration of inadequate and inefficient building systems. Utility costs will continue to increase. Units will become uninhabitable.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE GENERAL OFFICERS QUARTERS	XDAT954003	
WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: FY93 Repair Electrical Outlet Box, Replace Carpet, Interior Paint, Repair Ceiling, Landscape \$16.8K WORK PROGRAMMED FOR NEXT THREE YEARS: None ADDITIONAL: This project is programmed in accordance with the Housing Community Plan and meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".		

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION EGLIN AUX FIELD 9, FLORIDA			4. PROJECT TITLE CONVERT SENIOR OFFICER QUARTERS TO GENERAL OFFICER QUARTERS		
5. PROGRAM ELEMENT 8.87.42	6. CATEGORY CODE 711-143	7. PROJECT NUMBER FTEV944010	8. PROJECT COST(\$000) 80		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
CONVERT SOQ TO GOQ HSG	LS			59	
SUPPORTING FACILITIES				15	
GARAGE	SF	400	20	(8)	
DEMOLITION	LS			(2)	
LANDSCAPING	LS			(1)	
PAVEMENT	LS			(4)	
SUBTOTAL				74	
CONTINGENCY (5%)				4	
TOTAL CONTRACT COST				78	
SUPERVISION, INSPECTION AND OVERHEAD (3%)				2	
TOTAL REQUEST				80	
MOST EXPENSIVE UNIT		\$80,000			
AREA COST FACTOR		0.83			
10. Description of Proposed Construction: Convert Senior Officer Quarters to General Officer Quarters by constructing an addition, including dining room, entry, garage and storage area, relocate kitchen and laundry room. Replace/relocate air conditioning unit and provide landscaping. Air Conditioning: 5 Tons.					
11. REQUIREMENT: 2,310 ADEQUATE: 1,780 SUBSTANDARD: 0 PROJECT: Add to and convert Senior Officer's Quarters to Installation Commander General Officer's Quarters. REQUIREMENT: Project is required to provide adequate quarters for the installation commander and his family. Additional space is required for entertaining and official functions. A larger kitchen and additional storage is also needed. Adequate General Officer unit is required for new General Officer position. Improved building systems including heating, ventilating and air conditioning systems, insulation, window and door hardware, electrical and plumbing fixtures, and energy efficient appliances are required. CURRENT SITUATION: This unit was constructed in 1957 and received some improvements in 1988 making it a more economical unit to convert to a General Officer Unit than alternatives. However, the unit does not offer sufficient square footage authorized for a General Officer Quarters. The kitchen and dining rooms are too small to accommodate the number of persons expected at installation commander's functions, including visiting general officers and high ranking civilians. There is no other housing unit that can be used or converted to a GOQ without additional construction work. IMPACT IF NOT PROVIDED: The Wing Commander will not be able to perform					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION EGLIN AUX FIELD 9, FLORIDA		
4. PROJECT TITLE CONVERT SENIOR OFFICER QUARTRS TO GENERAL OFFICER QUARTERS		5. PROJECT NUMBER FTEV944010
duties effectively or efficiently in an undersized and substandard unit. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None. <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None. <u>ADDITIONAL:</u> This project was unforeseen when the Housing Community Plan was developed. The Installation Commander's position has been upgraded from Colonel to Brigadier General. The proposed project will provide adequate housing for the general officer for 25 years, without additional major investments other than routine and cyclical repairs. An economic analysis has been prepared at Hurlburt Field comparing the alternatives of new construction, revitalization, and raze & build. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost effective over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide."		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ANDREWS AIR FORCE BASE, MARYLAND			IMPROVE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.87.42	711-143	AJXF904000R	9,810		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
IMPROVE FAMILY HOUSING	LS			7,855	
HOUSING UNITS	UN	110	63,610	(6,997)	
HOUSING UNITS	UN	20	42,900	(858)	
SUPPORTING FACILITIES				1,215	
UTILITIES	LS			(300)	
DEMOLITION & DISPOSAL	LS			(264)	
DRAINAGE	LS			(207)	
ASBESTOS/LEAD PAINT ABATEMENT	LS			(217)	
LANDSCAPING & SIGNAGE	LS			(227)	
SUBTOTAL				9,070	
CONTINGENCY (5%)				454	
TOTAL CONTRACT COST				9,524	
SUPERVISION, INSPECTION AND OVERHEAD (3%)				286	
TOTAL REQUEST				9,810	
MOST EXPENSIVE UNIT		\$90,500			
AREA COST FACTOR		1.05			
10. Description of Proposed Construction: Improve 130 housing units. Renovate kitchens and bathrooms, add/renovate living space, replace windows, mechanical and electrical systems, improve exterior finish, provide patios, privacy fences, and carports. Replace utility service lines to domestic potable water main, improve drainage, landscaping, and signage. Remove asbestos and abate lead paint.					
11. PROJECT: Improve 130 Junior NCO Appropriated housing units. REQUIREMENT: Provide adequate housing and neighborhoods for military members and their families meeting "whole house" standards. CURRENT SITUATION: These wood-frame, concrete slab on grade units were constructed in 1966 and have received only routine maintenance and repair since construction. Kitchens lack dishwashers, have insufficient countertop and cabinet area, and wood cabinets are dated. 4-bedroom units have vinyl asbestos tile flooring in kitchen, bedrooms, halls, and living and dining rooms. Bathrooms lack vanities. No family rooms exist. Gas-fired water heater, furnace, range, plumbing fixtures, and air conditioner are nearing the end of their useful life and are energy inefficient. The bathroom and outdoor outlets have no ground-fault circuit interrupters, electric panel is located in the kitchen, and circuit breakers are not reliable. Windows need to be replaced with vinyl-clad wood with insulating glass and screen. All exterior wood siding, fascia and trim need to be replaced. Bathroom wall covering, ceramic tile, tub, shower, and fixtures need to be replaced. Covered off-street parking is not provided. IMPACT IF NOT PROVIDED: Major morale problems will result because military members and their families will continue to occupy substandard housing. The housing units will become uninhabitable through					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND		
4. PROJECT TITLE IMPROVE FAMILY HOUSING		5. PROJECT NUMBER AJXF904000R
deterioration. Maintenance and utility costs will continue to escalate. Without this and subsequent projects, repairs will continue to be accomplished out of necessity, in a very costly, piecemeal fashion, with no improvement to quality of life. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None <u>ADDITIONAL:</u> Project is programmed in accordance with the Housing Community Plan. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost effective over the life of the project.		

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION KEESLER AIR FORCE BASE, MISSISSIPPI			4. PROJECT TITLE IMPROVE GENERAL OFFICER HOUSING		
5. PROGRAM ELEMENT 8.87.42	6. CATEGORY CODE 711-111	7. PROJECT NUMBER MAHG954007	8. PROJECT COST(\$000) 85		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE GENERAL OFFICER CAPEHART UNIT		UN	1		65
ADDITION		SF	437	61	(27)
IMPROVEMENT		SF	1,663	23	(38)
SUPPORTING FACILITIES					10
SITE IMPROVEMENTS		LS			(8)
UTILITIES		LS			(2)
SUBTOTAL					75
CONTINGENCY (10%)					8
TOTAL CONTRACT COST					83
SUPERVISION, INSPECTION AND OVERHEAD (3%)					2
TOTAL REQUEST					85
MOST EXPENSIVE UNIT		\$85,000			
AREA COST FACTOR		0.84			
10. Description of Proposed Construction: Convert Senior Officer Quarters to a General Officer Quarters. Project includes interior repair of all areas and building systems as well as alteration of living room, dining room, kitchen, baths, and laundry area. Work also includes construction of a den addition, garage, concrete driveway, walk, and entrance courtyard.					
11. PROJECT: Convert a Senior Officer's Quarters (SOQ) to a General Officer's Quarters (GOQ). <u>REQUIREMENT:</u> Provide adequate housing for general officer commanding a new mission at Keesler AFB. The 2nd Air Force will be headquartered at Keesler AFB and was activated on 1 Jul 93 as part of the Air Education and Training Command (AETC) standup. Conversion of a Senior Officer Quarters to a General Officer Quarters is required housing the 2nd Air Force Commander. All work proposed is needed for the Commander to effectively and efficiently carry out commissioned duties. <u>CURRENT SITUATION:</u> Keesler AFB currently has only one MFH unit which meets General Officer standards and it is utilized to meet the current GOQ requirement. SOQ adjacent to the existing GOQ is the most appropriate location to house the incoming general officer and is the unit which will be improved by this project. In order to provide adequate quarters that meet standards for a General Officer, expansion and renovation of the unit is required. The existing unit is 437 SF short of authorized space for a GOQ. The existing unit is approaching 30 years in age. Building systems such as electrical, mechanical, roofing, plumbing, door and window hardware are deteriorated. The unit does not energy saving insulation or utility systems that meet standards. <u>IMPACT IF NOT PROVIDED:</u> New General Officer will be housed in a unit with					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KEESLER AIR FORCE BASE, MISSISSIPPI		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE GENERAL OFFICER HOUSING	MAHG954007	
size and configuration that do not meet authorized standards. The effectiveness and efficiency of performance of commissioned duties as Commander will be compromised. The Air Force will continue to incur excessive maintenance and repair costs and pay high utility bills due to the age and deterioration of the facility. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None <u>ADDITIONAL:</u> The work will increase the net square footage by 437 SF from 1663 SF to 2100 SF. The initial cost for this improvement project is 68% of the initial cost of a replacement project. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost effective over the life of the project.		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
CANNON AIR FORCE BASE, NEW MEXICO			IMPROVE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.42	711-143	CZQZ900014	6,109		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING - PHASE 2		UN	86	42,730	3,675
SUPPORTING FACILITIES					1,974
LANDSCAPING & PRIVACY FENCING		LS			(401)
RECREATION		LS			(150)
SITE PREPARATION		LS			(95)
ROADS & PAVING		LS			(145)
UTILITIES		LS			(195)
GARAGES AND STORAGE		UN	86	5,174	(445)
DEMOLITION, ASBESTOS & LBP REMOVAL		LS			(543)
SUBTOTAL					5,649
CONTINGENCY (5%)					282
TOTAL CONTRACT COST					5,931
SUPERVISION, INSPECTION AND OVERHEAD (3%)					178
TOTAL REQUEST					6,109
MOST EXPENSIVE UNIT		\$85,682			
AREA COST FACTOR		1.10			
10. Description of Proposed Construction: Improve 86 housing units. Includes renovating kitchen and baths, replacing interior lights and wiring, reconfiguring floor plans, improving interior and exterior finishes, and repairing pavements. Provides landscaping, playgrounds and recreation areas. Includes asbestos and lead paint removal. Remove and replace privacy fencing. Replaces carports with garages.					
11. <u>PROJECT</u> : Improve 86 Family Housing Units. <u>REQUIREMENT</u> : This project is required to provide modern and efficient housing for military members and their dependents stationed at Cannon AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Improved units will provide a safe, comfortable, and appealing living environment comparable to off-base communities. This is the second of multiple phases to improve 190 housing units for base personnel, 840 units have already been upgraded and 331 will be completed in subsequent phases. These improvements will provide a modern kitchen, living room, and bath configuration with ample interior and exterior storage. Exterior parking will be provided for a second vehicle. The neighborhood support infrastructure will be upgraded to meet modern living needs including, landscaping, playgrounds, and recreation areas. <u>CURRENT SITUATION</u> : This project improves units which are over 38 years old and are showing the effects of age and continuous heavy use. Units have had no major upgrades since construction and do not meet the needs of today's families, nor do they provide a modern home environment. Kitchens are narrow and dark, and do not provide adequate cabinet and counter top space. Washing machines and dryers are located in the kitchens causing a lack of ample work space for performing household chores. The bathrooms					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CANNON AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE FAMILY HOUSING	CZQZ900014	
are very small and in poor condition. Bathroom fixtures are outdated and energy inefficient. The interior of outside walls is uninsulated painted masonry block, and interior partition walls are inferior grade wallboard. The ceiling is an exposed wood beam/slat material. Lighting in hallways, bathrooms, and bedrooms is inadequate. The exteriors of these units lack landscaping and have no covered patio for protection from the sun when outside. Off street parking is severely limited, and traffic flow in and around housing area is inefficient. <u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to live in extremely outdated, unauitable and unsatisfactory housing. The housing will continue to deteriorate with age, resulting in increasing and unacceptable maintenance and repair costs, and extreme hardship to the occupants. Without this and subsequent phases of this initiative, repairs of these units will continue in a costly, piecemeal fashion, with little or no improvement in living quality. Low morale and retention problems can be expected if such conditions are permitted to continue. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> During the past three years, improvements have been made to 231 units for a total of \$774,302. These include: new exterior finishes, new sloped roofs, front entrances, and window and exterior painting, none of which will be reaccomplished in this project. <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None. <u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, improvement, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost effective over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
WRIGHT-PATTERSON AIR FORCE BASE, OHIO			IMPROVE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.42	711-121	ZHTV820016P8	4,700		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
IMPROVE FAMILY HOUSING	LS			3,434	
WHERRY FAMILY HOUSING	UN	87	34,510	(3,002)	
ADD/ALTER SENIOR OFFICER HOUSING	UN	4	108,000	(432)	
SUPPORTING FACILITIES				912	
OFF STREET PARKING	LS			(132)	
AREA LIGHTING	LS			(141)	
RECREATION	LS			(81)	
FIRE SPRINKLERS	LS			(558)	
SUBTOTAL				4,346	
CONTINGENCY (5%)				217	
TOTAL CONTRACT COST				4,563	
SUPERVISION, INSPECTION AND OVERHEAD (3%)				137	
TOTAL REQUEST				4,700	
MOST EXPENSIVE UNIT		\$157,000			
AREA COST FACTOR		1.00			
10. Description of Proposed Construction: Improve 87 Wherry units and 4 SOQs. Work includes new plumbing, electrical, HVAC systems, refinishing interior surfaces, and reconfiguration of functional layout. Improve exterior by installing rear entry steel doors, provide patios, privacy fences, storage sheds and correct drainage. Construct additions to the SOQs to add authorized square footage. Provide radon mitigation.					
11. <u>PROJECT</u> : Provide "whole house" improvements to 87 Wherry housing units and 4 Senior Officers housing units. <u>REQUIREMENT</u> : Adequate living quarters are required for families of military members assigned to this base. Improvements needed to Wherry housing units include installation of rear entry steel doors, patios with screens for occupants' privacy, and area improvements to facilitate family recreation, safety and quality of life. Additional living space along with minor reconfiguration and upgrade of utilities in the existing structures are necessary to bring these units up to the livability standards of similar quarters both on and off base. Upgrade of electrical, plumbing and HVAC systems is needed to comply with Air Force and National building codes and to improve safety, reliability and economy of operation. To meet current family requirements, 31 oversized 4/5 bedroom units are being converted to 62 - 2 bedroom units to address the base's deficit of 2 bedroom units. <u>CURRENT SITUATION</u> : The Wherry units were constructed in 1950's and have had no major improvements since original construction. Due to exposure to weather conditions and heavy usage the rear entry wooden doors have deteriorated. Because of the high density of this development, the occupants have no outdoor privacy. The SOQs were constructed in 1935 and are located in a proposed historic district. They have had only routine					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
WRIGHT-PATTERSON AIR FORCE BASE, OHIO		
4. PROJECT TITLE		5. PROJECT NUMBER
IMPROVE FAMILY HOUSING		ZHTV820016P8
repairs and minor improvements. The wiring and plumbing consist of original system in both the Wherry and SOQ units mixed with some newer material added over the years. The existing room layouts in these units are cramped and poorly arranged. The SOQs are well below the authorized 1700 NSF. The proposed additions will provide a master bedroom with bath and family room. Two types of Wherry housing units require additions of approximately 344 square feet to reach the authorized space and internal renovation and reconfiguration to meet current housing standards. Acoustical and thermal insulation is also required. <u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to be housed in unsuitable conditions, affecting morale and the retention of quality experienced personnel. These units will continue to deteriorate past the point of repair, resulting in loss of valuable economic assets to the Air Force. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> NONE. <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> NONE. <u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of replacement construction, improvement, leasing and status quo operation. Based on the net present value and benefits of the respective alternatives, improvement was found to be the most cost effective over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".		

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION ALTUS AIR FORCE BASE, OKLAHOMA			4. PROJECT TITLE IMPROVE CAPEHART HOUSING		
5. PROGRAM ELEMENT 8.87.42	6. CATEGORY CODE 711-111	7. PROJECT NUMBER AGGN934013	8. PROJECT COST (\$000) 6,600		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
IMPROVE CAPEHART HOUSING PHASE 5 OF 5				6,103	
UNIT IMPROVEMENTS	UN	122	49,600	(6,051)	
ASBESTOS REMOVAL	UN	122	425	(52)	
SUBTOTAL				6,103	
CONTINGENCY (5%)				305	
TOTAL CONTRACT COST				6,408	
SUPERVISION, INSPECTION AND OVERHEAD (3%)				192	
TOTAL REQUEST				6,600	
MOST EXPENSIVE UNIT		\$101,558			
AREA COST FACTOR		0.86			
10. Description of Proposed Construction: Improve 122 Capehart units. Upgrade electrical, plumbing, heating and air conditioning systems. Alter unit to provide proper kitchen, bathroom, family room, and front entry. Provide storage shed, privacy screening, walkways, gutters, and landscaping. Repair roofing, flooring, and wall finishes.					
11. PROJECT: Improve 122 family housing units. REQUIREMENT: Provide adequate housing for military members and their families meeting "whole house" standards and are programmed in accordance with the Housing Community Plan. This project is the fifth of a 5 phase program to improve Capehart housing at Altus AFB. CURRENT SITUATION: These units were constructed in 1957 and have received only routine maintenance and repair since construction. Metal kitchen cabinets have outlived their useful life, kitchen has insufficient work space. Bathroom has dated fixtures, tile, and no vanity. The laundry area is located in the garage and lacks shelves or cabinets. Front entry is not sheltered from the elements. There are no ground-fault circuit interrupters in kitchen or exterior; inadequate number of electrical receptacles in the unit; overhead electrical service is fed from pole-mounted transformer; smoke detectors are lacking. Units lack attic vents, gutters, landscaping, trash enclosure and adequate storage. IMPACT IF NOT PROVIDED: Units will continue to deteriorate, increasing maintenance and repair costs. Quality of life for Air Force members and their families will continue to be inadequate having an adverse impact on morale and work productivity. WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None. WORK PROGRAMMED FOR NEXT THREE YEARS: None. ADDITIONAL: The replacement costs of these units averages \$86,900 per					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
AIR FORCE			
3. INSTALLATION AND LOCATION			
ALTUS AIR FORCE BASE, OKLAHOMA			
4. PROJECT TITLE		5. PROJECT NUMBER	
IMPROVE CAPEHART HOUSING		AGGN934013	
unit. The initial cost for this improvement project is 62% of the initial replacement cost. This project will provide adequate housing for another 30 years without additional major investments other than routine and cyclical repairs. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost effective over the life of the project.			

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA			4. PROJECT TITLE IMPROVE CAPEHART HOUSING		
5. PROGRAM ELEMENT 8.87.42	6. CATEGORY CODE 711-111	7. PROJECT NUMBER DKFX914036	8. PROJECT COST (\$000) 4,871		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE CAPEHART HOUSING, PHASE 4		UN	88	51,181	4,504
SUBTOTAL					4,504
CONTINGENCY (5%)					225
TOTAL CONTRACT COST					4,729
SUPERVISION, INSPECTION AND OVERHEAD (3%)					142
TOTAL REQUEST					4,871
MOST EXPENSIVE UNIT		565,290			
AREA COST FACTOR		0.91			
10. Description of Proposed Construction: Improve 88 Capehart units. Add family rooms and baths, modify laundry room, construct trash screens, renovate kitchens and bathrooms; upgrade utilities, replace windows, roofs, lights, closet doors, flooring, heating, ventilating, and air conditioning systems. Install insulation, reconfigure interiors and remove lead based paint.					
11. PROJECT: Improve 88 Capehart housing units. <u>REQUIREMENT:</u> To provide adequate quarters for military members and their families assigned to Charleston AFB. Improvements will prolong the useful life of these older, less modern units by enhancing livability and reducing operating costs. This is the fourth phase of an 11 phase project. This project conforms to "whole house" standards and is programmed in accordance with the Charleston Air Force Base Housing Community Plan. <u>CURRENT SITUATION:</u> These units were constructed in 1960 and have received no major renovation, other than routine maintenance and repairs, since construction. Interior reconfiguration is required for better space utilization and to provide additional space for family rooms. Original kitchen and bath fixtures require replacement. Building systems including windows, light fixtures ceilings and walls cause high loss of energy due to inefficient designs of the early 1960's, deterioration due to age, and lack of insulation. Morale and quality of life for military members and their families is adversely affected due to the substandard housing units. <u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to be inadequately housed. Morale and retention of quality personnel could be seriously affected. High maintenance and utility costs will continue and escalate without these improvements.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE		5. PROJECT NUMBER
IMPROVE CAPEHART HOUSING		DKFX914036
WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None WORK PROGRAMMED FOR NEXT THREE YEARS: None ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost effective over the life of the project.		

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA			4. PROJECT TITLE IMPROVE GENERAL OFFICER QUARTERS		
5. PROGRAM ELEMENT 8.87.42	6. CATEGORY CODE 711-111	7. PROJECT NUMBER DKFX954036C1	8. PROJECT COST(\$000) 100		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE GENERAL OFFICER QUARTERS		UN	1	86,000	86
SUPPORTING FACILITIES					6
ASBESTOS REMOVAL		LS			(3)
LEAD PAINT ABATEMENT		LS			(3)
SUBTOTAL					92
CONTINGENCY (5%)					5
TOTAL CONTRACT COST					97
SUPERVISION, INSPECTION AND OVERHEAD (3%)					3
TOTAL REQUEST					100
MOST EXPENSIVE UNIT		\$100,000			
AREA COST FACTOR		0.91			
10. Description of Proposed Construction: Improve one General Officer Quarters. Renovate kitchen and bathrooms, upgrade electrical and mechanical systems, replace windows and doors, replace wood siding and roof, install patio and exterior lighting, landscape. Increase size of bedrooms, kitchen/breakfast area, dining room, and laundry room to net allowable square footage. Remove asbestos and abate lead paint.					
11. PROJECT: Improve 1 Capehart General Officer Unit. <u>REQUIREMENT:</u> Provide adequate quarters for a general officer and family meeting "whole house" standards. <u>CURRENT SITUATION:</u> Implementation of the Air Force Objective Wing concept created a new general officer position at this base and a general officer is now assigned as the Wing Commander. The existing unit has received no major renovation or upgrades since its construction in 1957. The roof is in poor condition, the kitchen has old, outdated cabinets and poor quality sheet vinyl flooring. The furnace, water heaters and plumbing fixtures are at the end of their useful life. Electrical receptacles are not grounded and the bathrooms lack receptacles. Windows require replacement. Wood siding, fascia and trim, contribute to maintenance and mildew problems. Laundry area is in the kitchen. Net square footage is less than authorized amount. <u>IMPACT IF NOT PROVIDED:</u> Unit will continue to deteriorate, exacerbating maintenance and repair costs. Quality of life for the General Officer and family will not be commensurate with position and rank. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> FY92 Landscape \$5.1K; FY93 Install Carpet \$4.8K; FY94 Replace Doors \$11.8K <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None <u>ADDITIONAL:</u> Project is programmed in accordance with the Housing					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE GENERAL OFFICER QUARTERS	DKFX954036C1	
Community Plan. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost effective over the life of the project. The initial cost of improvement is 62.9% of replacement cost.		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
LAUGHLIN AIR FORCE BASE, TEXAS			IMPROVE CAPEHART HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.42	711-111	MXDP947000	3,761		
9. COST ESTIMATES					
ITEM		U/H	QUANTITY	UNIT COST	COST (\$000)
IMPROVE CAPEHART HOUSING		UN	62	56,080	3,477
SUBTOTAL					3,477
CONTINGENCY (5%)					174
TOTAL CONTRACT COST					3,651
SUPERVISION, INSPECTION AND OVERHEAD (3%)					110
TOTAL REQUEST					3,761
MOST EXPENSIVE UNIT		\$72,800			
AREA COST FACTOR		0.95			
10. Description of Proposed Construction: Improve 62 family housing units. Upgrade kitchen/baths, correct floor plan/unit layout deficiencies, provide second bath as required, upgrade electrical/plumbing systems, replace doors/windows with energy efficient units, insulate ceiling and exterior walls, install carpet, paint, repair/treat termite damage provide patio covers, enlarge storage sheds and landscape as required.					
11. <u>PROJECT</u> : Provides for improvements/repairs to 62 family housing units.					
<u>REQUIREMENT</u> : Project is required to provide adequate quarters for military members and their families assigned to this installation. It is the third of a 4-phase construction program to renovate a total of 413 Capehart Units. Project will provide a safe, comfortable, and appealing living environment comparable to the off-base community. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan.					
<u>CURRENT SITUATION</u> : These units were constructed in 1959 and have received no major renovation, other than routine work including replacement of roofs during 1987 and change of occupancy maintenance, since construction. The kitchens require reconfiguration to provide adequate storage, cabinet, and countertop areas. Various units have only one bathroom, and existing bathrooms require the replacement of all original fixtures. The existing electrical and plumbing systems are inadequate and need replacement. The units have minimal outside storage and the patios are inadequate, with little privacy and no cover. Existing doors/windows are energy inefficient. The existing gypsum board walls and ceilings do not contain adequate insulation. Wood studs behind wall board have been damaged by termites and must be replaced.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
LAUGHLIN AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE CAPEHART HOUSING	MXDP947000	
<u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to be housed in unsatisfactory conditions, affecting morale and the retention of quality personnel. The Air Force will continue to pay high maintenance and utility costs. Units will eventually become uninhabitable if not improved and maintenance will be done in a costly and piecemeal fashion. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> Heating, ventilating and air conditioning systems were replaced in FY 92. <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None <u>ADDITIONAL:</u> The replacement costs of these units vary from \$56,000 to \$97,000 per unit. The total work in this project represents a maximum of 50% of the replacement cost of an individual unit. The units, with required termite repairs, are considered structurally sound and the proposed project should provide adequate housing for at least another 20 years without additional major investments other than routine or cyclic repairs. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost effective over the life of the project. Project meets criteria established in Military Handbook 1190, "Facility Planning and Design Guide".		

1. COMPONENT AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION SHEPPARD AIR FORCE BASE, TEXAS				4. PROJECT TITLE IMPROVE CAPEHART HOUSING		
5. PROGRAM ELEMENT 8.87.42		6. CATEGORY CODE 711-111		7. PROJECT NUMBER VNV920023		8. PROJECT COST(\$000) 2,122
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
IMPROVE CAPEHART HOUSING						1,945
TYPE 2 UNITS (JNCO/SNCO)				UN	52	(1,945)
SUPPORTING FACILITIES						17
LEAD PAINT REMOVAL/DISPOSAL				UN	52	(17)
SUBTOTAL						1,962
CONTINGENCY (5%)						98
TOTAL CONTRACT COST						2,060
SUPERVISION, INSPECTION AND OVERHEAD (3%)						62
TOTAL REQUEST						2,122
MOST EXPENSIVE UNIT					\$54,600	
AREA COST FACTOR					0.94	
10. Description of Proposed Construction: Improve 52 Capehart units. Renovate kitchens/baths, upgrade electrical/plumbing/mechanical systems, enlarge master bedroom closets, provide patios and storage sheds, correct floor plan/unit layout deficiencies, provide family rooms, upgrade/paint interiors, and landscape as required. 11. PROJECT: Improve 52 Capehart housing units. REQUIREMENT: Provide adequate quarters for military members and their families assigned to Sheppard Air Force Base. This project is the third phase of a four-phase construction program to renovate a total of 489 Capehart units. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. CURRENT SITUATION: These units were constructed in 1960 and have received no major renovation, other than routine work and change of occupancy maintenance, since construction. These units do not meet the needs of today's families, nor do they provide a modern, comfortable, and safe home living environment. The kitchens require reconfiguration to provide adequate storage, cabinet, and countertop areas. Bathrooms require the replacement of all original fixtures and gas heaters. The existing lighting is inadequate and not energy efficient, while the receptacles in the kitchens and bathrooms do not provide ground fault protection. Units have insufficient outside storage forcing occupants to store hazardous materials and equipment inside the quarters. Building systems such as plumbing, electrical, and mechanical systems require excessive maintenance and repair due to deterioration by age. IMPACT IF NOT PROVIDED: Air Force members and their families will continue to be housed in unsatisfactory conditions, affecting morale and retention of quality personnel. Maintenance and repairs of the units will						

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SHEPPARD AIR FORCE BASE, TEXAS		
4. PROJECT TITLE		5. PROJECT NUMBER
IMPROVE CAPEHART HOUSING		VNVP920023
continue in a costly and piecemeal fashion. Energy costs will continue to rise due to the inefficient and antiquated building systems. Housing will continue to be occupied until it becomes uninhabitable. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None. <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None <u>ADDITIONAL:</u> The replacement cost of these units is approximately \$80,500 per unit. The initial cost of this improvement project is 46 percent of the replacement cost. The proposed project will provide adequate housing for at least 20 years without additional investments. Routine maintenance and energy costs will be significantly decreased while quality of life and morale is significantly increased. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
WOOMERA AIR STATION, AUSTRALIA			IMPROVE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.42	711-143	ZGTT954002	440		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING		UN	6	55,000	330
SUPPORTING FACILITIES					45
UTILITIES		LS			(15)
PAVEMENTS		LS			(21)
SITE IMPROVEMENTS		LS			(9)
SUBTOTAL					375
CONTINGENCY (10%)					38
TOTAL CONTRACT COST					413
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					27
TOTAL REQUEST					440
MOST EXPENSIVE UNIT				\$92,400	
AREA COST FACTOR				1.55	
10. Description of Proposed Construction: Improve 6 family housing units. Renovate kitchen and baths; replace HVAC, electrical wiring and fixtures, plumbing and fixtures, doors and windows, ceilings, and weatherize with insulation; repaint interior; landscape yards and install sprinkler system. Do all appurtenant work.					
11. PROJECT: Improve 6 family housing units. <u>REQUIREMENT:</u> To provide adequate, modern, and safe family housing for military members and their dependents. Provide all needed repairs and improvements under one contract while the entire group of houses is vacant to reduce the cost of the work and to avoid inconveniencing an occupant and the neighbors. All units will meet "whole house" standards. <u>CURRENT SITUATION:</u> Original insulation is 30 years old and thermal protection is inadequate for this harsh desert environment. Original window frames are difficult to operate and are not energy efficient. The existing reverse cycle HVAC systems were designed for use in the climate of Adelaide, South Australia, not the extreme temperatures found in Woomera. During the summer months, the temperature reaches 45 deg C and below 10 deg C in the winter. These units do not provide sufficient heating or cooling. The galvanized gutter system is corroded and leaks. Storm water drainage piping is broken and clogged from the debris flowing through the rotted gutter system. Village directives call for reducing sodded areas to 150 Sq meters per housing unit. All our homes exceed this limit. <u>IMPACT IF NOT PROVIDED:</u> The housing does not satisfy current Air Force Quality of Life Standards. Families are forced to live in facilities that are substandard and not consistent with the quality of today's housing construction. These units will continue to deteriorate at a rapid rate					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
WOOMERA AIR STATION, AUSTRALIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE FAMILY HOUSING	ZGTT954002	
increasing repair and maintenance costs. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None <u>ADDITIONAL:</u> Woomera is a joint defense community with the Australian Department of Defense. Our homes are integrated into the overall housing area and do not comply with the Woomera Village housing concept. The Australian government has been replacing their modular units with permanent brick construction. Morale problems will arise if the community perceives that U. S. Military families are living in "slums". Further, substandard housing does not portray the desired image of the United States Air Force. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".		

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST

ADVANCE PLANNING AND DESIGN

Program (In Thousands)

FY 1995 Program \$ 9,275

FY 1994 Program \$11,901

Purpose and Scope

This program provides for preliminary studies to develop planning document for additional family housing facilities, comprehensive improvement and construction plans, and production of housing community plans (HCP); studies for site adaptation and determination of type and design of units; and working drawings, specifications, estimates, project planning reports and final design drawings of family housing construction projects. This includes the use of architectural and engineering services in connection with any family housing new or post acquisition construction program.

Program Summary

Authorization is requested for:

- (1) Advance planning and design for future year housing programs; and
- (2) Appropriation of \$ 9,275,000 to fund this effort as outlined in the following exhibit:

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		4. PROJECT TITLE FAMILY HOUSING ADVANCE PLANNING AND DESIGN		
5. PROGRAM ELEMENT 8.87.42	6. CATEGORY CODE 711-000	7. PROJECT NUMBER XXXX95000PAD	8. PROJECT COST(\$000) 9,275	
9. COST ESTIMATES				
ITEM		U/M	QUANTITY	UNIT COST
FAMILY HOUSING ADVANCE PLANNING AND DESIGN		LS		9,275
SUBTOTAL				9,275
TOTAL CONTRACT COST				9,275
TOTAL REQUEST				9,275
10. Description of Proposed Construction: Architect-engineer services, surveys, fees, etc., in connection with advance planning and design of family housing dwelling units and properties included in or proposed for the Air Force Family Housing Account.				
11. <u>PROJECT:</u> <u>REQUIREMENT:</u> The funds requested are necessary to procure architect-engineer services to make site and utility investigations; one time multi-phase design, and housing community plan (HCP) developments; for the preparation of design and specifications of advance plans for future year housing programs in connection with any family housing new or post acquisition construction programs. <u>IMPACT IF NOT PROVIDED:</u> The funds requested are necessary to support the development of the Housing Community Plans and to support the new construction and post acquisition construction programs.				

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
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OPERATIONS, UTILITIES AND MAINTENANCE
(Excluding Leasing and Debt)

Program (In Thousands)
FY 1995 Program \$688,562
FY 1994 Program \$672,625

Purpose and Scope

a. Operations. This portion of the program provides for operating expenses in the following sub-accounts:

(1) Management. Includes installation-level management such as housing office operations, quality assurance evaluators, administrative support, community liaison, and annual title service fee. Housing referral costs are also included. The housing referral program helps the two-thirds of our Air Force families that live in local communities to find housing. It implements the Fair Housing Act of 1968, and it meets the intention of the FY 1991 National Defense Authorization Act which requires housing relocation support, to include counseling on housing decision making, providing advance information on new base of assignment, and assisting through settling-in and home finding services.

(2) Services. Provides basic support services such as refuse collection and disposal; fire and police protection; entomology and pest control; snow removal and street cleaning.

(3) Furnishings. Procures household equipment (primarily stoves and refrigerators) and, in limited circumstances, furniture; controls furnishings inventories; maintains and repairs such items.

(4) Miscellaneous. Includes mobile home hookups, leased office and warehouse space supporting family housing, payments to other Federal agencies or foreign governments to operate Permit Housing units occupied by Air Force personnel, and similar costs.

b. Utilities. Includes all utilities serving family housing, purchased and base produced, except telephone.

c. Maintenance. Provides upkeep of family housing real property, as follows:

(1) Maintenance/Repair of Dwellings. Service calls, routine maintenance, repairs and replacement.

(2) Exterior Utilities. Maintenance and repair of water,

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FY 1995 BUDGET REQUEST

sewer, electric, heat and gas lines located within family housing areas.

(3) Other Real Property. Upkeep of grounds, roads, parking areas, and other property for the exclusive use of family housing not shown above.

(4) Alteration and Additions. Minor alterations to dwellings or housing support facilities. Larger scope or higher dollar value items are funded in the construction program.

Operations and Maintenance Program Summary - Highlights

Authorization/Appropriation is requested in FY 1995 for \$688,562,000. This amount, together with estimated reimbursements of \$11,139,000, will fund the FY 1995 Operations and Maintenance program of \$699,701,000.

A summary of the funding program for FY 1995 follows
(\$ in thousands):

Operations <u>Request</u>	Util <u>Request</u>	Maint <u>Request</u>	Ttl Direct <u>Request</u>	Reimburse- <u>ment</u>	Total <u>Program</u>
\$126,446	\$178,472	\$ 383,644	\$ 688,562	\$11,139	\$699,701

As a result of base closures, the Air Force average housing inventory is reduced by over three percent from FY 94 to FY 95. The budget is reduced at a greater rate with the maintenance account absorbing most of the reduction. The FY 95 Air Force family housing budget requests resources necessary to adequately operate and maintain housing and provide housing referral support. The Air Force's FY 95 budget achieves the following:

- * Meet obligations for payroll, leases, utilities and service contracts.

- * Provides an operations and maintenance budget to pay for the cost of ownership in terms of property management and day-to-day maintenance.

- * Reduces utility consumption through maintenance projects that keep energy costs down. Overall cost is less than inflation.

- * Performs capital maintenance projects that attack the aging housing infrastructure in order to maintain an acceptable, safe living environment until the house is scheduled for whole-house upgrade or replacement.

- * Includes \$4.1 million for contract cleaning at overseas locations only. The budgeted amount will allow cleaning of approximately 17,500 units at an average per unit cost of \$235.00.

AIR FORCE FAMILY HOUSING FY 1995 BUDGET ESTIMATE (Excludes Leases)				EXHIBIT FH-2 MAJOR: 01	WORLDWIDE
Inventory Data		FY94	FY95		
Units in Beginning of Year		125,859	120,825		
Units at End of Year		120,825	118,997		
Average Inventory for Year		123,342	118,911		
Funding Requirements(\$000)		Total Cost	Unit Cost	Total Cost	Unit Cost
Operations (Direct)					
Management		46,075	374	46,970	385
Services		28,180	228	32,724	275
Furnishings		43,543	353	42,852	360
Miscellaneous		4,639	38	5,794	49
Sub Total Gross Obligations		122,440	993	128,340	1,079
Anticipated Reimbursements					
Direct Obligation Operations		1,793	15	1,894	16
Utilities - (FOA)		120,647	978	126,446	1,063
Anticipated Reimbursements		219,554	1,780	186,826	1,571
Direct Obligation Utilities		8,516	69	8,354	70
		211,036	1,711	178,472	1,501
Maintenance					
MMR Dwellings		241,775	1,560	260,951	2,363
MMR Ext. Utilities		40,831	331	42,200	355
MMR Other Real Property		25,910	210	26,694	210
Alter & Add		33,323	270	35,290	297
Sub Total Gross Obligations		341,839	2,771	364,535	3,234
Anticipated Reimbursements		897	7	891	7
Direct Obligation Maintenance		340,942	2,764	363,644	3,226
Grand Total, OLM - TOA		683,833	5,544	699,701	5,884
Grand Total, OLM - MOA		672,626	5,453	688,562	5,791

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FY 1995 BUDGET REQUEST

Operations (\$ in Thousands)

<u>FY 1994 Budget Estimate</u>	<u>FY 1995 Request</u>
\$120,647	\$126,466

The FY 1995 program represents the Air Force family housing requirements and was developed using OSD/OMB approved inflation and foreign currency formulation rates. To the extent known, adjustments have been made for actual base closures and proposed overseas force structure draw downs. Requirements reflect a program which is equivalent to the FY 1994 level of effort with increases for prescribed inflation and change in inventory supported. Each program sub-account is described in detail in the following analysis.

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RECONCILIATION OF INCREASES AND DECREASES
Exhibit OP-5

Management. The Management account includes installation-level management such as housing office operations, quality assurance evaluators, administrative support, community liaison, and annual service fee paid to the Corporation-Trust Company to provide the required corporate presence in Delaware. Housing referral costs are also included; the housing referral program assists personnel to find quarters in the private sector and implements the Fair Housing Act of 1968.

1.	FY 1994 President's Budget Request	\$44,282
2.	Program Increases: Foreign national termination costs	\$ 1,998
3.	FY 1994 Current Estimate	\$46,280
4.	Price Growth Inflation	\$ 1,050
5.	Program Decreases: Reduction of 4,431 units due to base closures and realignments; also civilian hiring freezes have reduced costs.	\$-2,254
6.	FY 1995 Budget Request	\$45,076

Analysis of Changes in Management

The request includes increases for inflation and foreign national termination costs. The increases are offset by a decrease in units supported as a result of base closure actions and civilian hiring freezes.

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RECONCILIATION OF INCREASES AND DECREASES
Exhibit OP-5

Services. The Services account provides basic support services such as refuse collection and disposal; fire and police protection; entomology and pest control; snow removal; and street cleaning.

1.	FY 1994 President's Budget Request	\$28,183
2.	Program Increases: Newly levied environmental requirements.	\$ 3,733
3.	FY94 Current Estimate	\$31,916
4.	Price Growth Inflation	\$ 734
	Program Increases: Newly levied environmental regulations	\$ 1,293
5.	Program Decreases: Reduction of 4,431 units due to base realignment and closure resulting in fewer services provided.	\$-1,219
6.	FY 1995 Budget Request	\$32,724

Analysis of Changes in Services

Military Family Housing activities are experiencing significant cost escalation due to the need to meet new environmental standards. New initiatives to control lead based paint, asbestos, servicing underground heating fuel storage tanks for leak detection, spill/overflow protection and corrosion control require additional resources.

This request will provide essential services for refuse collection, entomology, snow removal, and police/fire protection, etc. The per unit cost in FY 1994 of \$228.00 increases in FY 1995 to \$275.00, primarily as the result of application of newly levied environmental requirements overseas. The FY 1995 budget has been increased by the added cost of escalation in service contracts and Foreign National pay raises.

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RECONCILIATION OF INCREASES AND DECREASES
Exhibit OP-5

Furnishings. Furnishings include the procurement for initial issue or replacement of household equipment (primarily stoves and refrigerators) and in limited circumstances, furniture; the control, moving and handling of furnishings inventories; and the maintenance and repair of such items.

1.	FY 1994 President's Budget Request	\$43,543
2.	Program Decreases: Reduction of inventory stock replenishment due to base closure and realignments	\$ -508
3.	FY 1994 Current Estimate	\$43,035
4.	Price Growth Inflation	\$ 990
5.	Program Decreases: Reduction of 4,431 units due to base closure and realignments	\$-1,173
6.	FY 1995 Budget Request	\$42,852

Analysis of Changes in Furnishings

Furnishings costs are trending downward from over \$50 million per year in the late 1980's to \$42.8 million in FY 1995. Base closures and realignments from overseas have been the primary cause of these reductions. Also, the Air Force reduced the locations with limited JTR status which required extensive furnishings support.

The FY 1995 estimate reflects the "sense of Congress" for increased burden sharing. Also, planning for future force structure reductions overseas allowed the Air Force to start reducing overseas furnishing inventories. While the exact number of military families and timing of the overseas draw down is still occurring, continued support of bases which will remain open is necessary to maintain adequate backup stock of appliances and furnishings for our overseas dependent families. Also, certain furniture items will continue to be needed. Loaner sets of furniture are issued to military families overseas to let them occupy permanent quarters prior to the arrival of personally owned furniture and to let personnel stay in permanent quarters after furniture is shipped due to a change of station. Loaner sets reduce the cost of Temporary Lodging Allowance since families are not in temporary quarters drawing this allowance.

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RECONCILIATION OF INCREASES AND DECREASES
Exhibit OP-5

Analysis of Changes in Furnishings (cont.)

Other items of household furnishings normally built into U.S. houses which are limited or not available in foreign countries, such as wardrobes (clothes closets), kitchen cabinets or appliances, are issued to military families.

This request also includes initial issue of appliances to support newly constructed or leased housing units being added to the Air Force inventory.

This account requests funding for essential furnishings at levels consistent with cost/benefit studies and the needs of the Air Force. If support is not provided in this manner, costs are incurred in the military allowance and other support appropriations which exceed these costs.

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FY 1995 BUDGET REQUEST
RECONCILIATION OF INCREASES AND DECREASES
Exhibit OP-5

Miscellaneous. Includes mobile home hookups, leased office and warehouse space supporting family housing, payments to other Federal agencies or foreign governments to operate Permit Housing units occupied by Air Force personnel, and similar costs.

1.	FY 1994 President's Budget Request	\$ 4,639
2.	Program Increases: Foreign Currency Revaluation	\$ 970
3.	FY 1994 Current Estimate	\$ 5,609
4.	Price Growth	\$ 185
5.	FY 1995 Budget Request	\$ 5,794

Analysis of Changes in Miscellaneous

Request provides for a slight increase in the price of accommodation charges for occupancy of units owned by the United Kingdom. Also, the costs of units supported in Australia are subject to foreign currency gains or losses which are not covered in the FCF account. These accommodation costs are incurred in accordance with requirements in host country agreements and are budgeted as "must pay" expenses.

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Utilities. This project provides for all utilities consumed in government-owned military family housing. Included is electricity, heating, water, sewage and waste systems. MFH facilities consume approximately one-fifth of Air Force facility energy usage; therefore, MFH residents and management share a significant role in the achievement of Air Force energy reduction goals. Since MFH occupants are not billed for their energy consumption, conservation motivation must be rooted in other than financial incentives. The single most effective incentive is command emphasis. Energy projects to install set back thermostats, water heater jacket insulation and insulation of crawl and attic spaces have had good results toward the attainment of Air Force energy conservation goals. The Air Force's long term goal is to reach a 20 percent reduction in MFH facility energy consumption using FY 85 as a base year, by the year 2000. This is in line with the DoD goal.

1.	FY 1994 President's Budget Request	\$211,036
2.	Program Decreases	
	Increased burden sharing from Government of Japan \$	-5,993
3.	FY 1994 Current Estimate	\$205,043
4.	Price Growth	\$ 4,716
5.	Program Decreases	
	Reduction of 4,431 units as a result	
	of Base Closure and Realignment	\$ -4,652
	Increased burden sharing from Government of Japan \$	-7,867
	Cost adjustment to overseas requirements	\$-15,000
	Energy consumption savings	\$ -3,768
6.	FY 1995 Budget Request	\$178,472

Analysis of Changes in Utilities

The requirement for FY 1995 is based on historical obligation trends which continue to be influenced by mild weather and energy conservation savings resulting from whole house improvements and energy conservation projects.

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Analysis of Changes in Utilities (cont.)

We have also received the benefits of a country to country agreement with Japan which shifts some of the utility costs on Japanese bases to the Government of Japan. The reduced Air Force costs are being phased in during FYs 1993, 1994 and 1995.

The funding stream depicted in the following table is consistent with the Air Force goals of reducing energy consumption and costs.

UTILITIES

<u>ENERGY CONSUMPTION</u>	<u>FY 93</u>	<u>FY 94</u>	<u>FY 95</u>
Electricity (MWH)	1,859,857	1,796,999	1,764,502
Fuel Oil (Bbls)	401,013	395,922	393,310
Natural Gas (KCF)	6,807,387	6,469,249	6,393,356
Coal (MBTUs)	486,671	391,671	359,726
Purchased Steam (MBTUs)	582,316	580,445	580,421

The Budget request for utilities in FY 1995 includes the costs of electricity, coal, gas, fuel oil, water and sewage treatment. Overall, utility rates are stabilizing. Continued conservation efforts are reducing consumption and costs. The primary reason for cost growth is due to inflation and foreign currency losses which is offset somewhat by continued emphasis on conservation of utilities.

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Maintenance. Includes service calls, change of occupancy rehabilitation, routine maintenance, preventive maintenance, interior and exterior painting, and major repairs. Provides upkeep of family housing real property.

1.	FY 1994 President's Budget Request	\$403,942
2.	Congressional General Reduction	-\$ 63,000
3.	Program Increases:	
	For backlog reduction	\$ 6,717
4.	FY 1994 Current Estimate	\$347,659
5.	Price Growth	\$ 9,734
6.	Program Decreases:	
	Reduction of 4,431 units as a result of base closure and realignment	\$-14,316
7.	Program Increases:	
	Increase to program to Reduce Backlog	\$ 40,567
8.	FY 1995 Budget Request	\$383,644

Analysis of Changes in Maintenance Program

FY 1995 maintenance request will only provide a small reduction in our continuing backlog of maintenance and repair. Previously limited maintenance funding and a high occupant turnover has accelerated deterioration of the Air Force's aging housing inventory. Continued emphasis on maintenance and repair of dwelling is essential to assure availability of quarters for occupancy. Limited funding in prior years has resulted in temporary fixes while more permanent initiatives are slipped. Deferring such work has exacerbated the rate of deterioration in our inventory.

The recent exception to the limited maintenance funding was FY 1993. Unexpected savings from the overseas lease program and from the increased burden sharing agreements for utility costs at Japanese bases provided a source of funds to reprogram for dire maintenance requirements. Therefore in FY 1993 the Air Force was able to make a significant reduction in the maintenance backlog. With a level of funding equivalent to FY 1993 the problems of deterioration of the

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aging housing inventory can be stopped. The primary cause for the deterioration is a lack of funding for deferred maintenance and repair (DMAR). As indicated in the following table, the FY 1994 Congressional reduction resulted in DMAR growing by \$140 million.

The FY 1995 funding obtained does not address long term DMAR problems. A lack of support for DMAR exacerbates the problems in the future.

Backlog of Deferred Maintenance

Consistent with Congressional concerns, the Air Force is actively pursuing means to reduce the backlog of maintenance and repair. The Air Force's present goal is to within the next 10 years reduce end of year backlog to one year's normal recurring maintenance.

Our emphasis on whole house revitalization, via the investment program helped control the burden on our maintenance account. The investment program consists of approximately 68 percent maintenance and repair type work. Of this, approximately 60 percent applies to DMAR. As shown in the table below, when the limited available maintenance funds are combined with efforts in the investment program, the growth in DMAR is slowed. The closure of our bases has reduced much of the backlog.

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The following chart illustrates the Backlog of Deferred Maintenance (In Then Year \$M).

Fiscal Year	<u>FY 91</u>	<u>FY 92</u>	<u>FY 93</u>	<u>FY 94</u>	<u>FY 95</u>
Backlog at Start of Year*	1,190	1,336	1,311	755	922
Closure Offset	-48	-124	-223	0	0
Annual DMAR Requirement					
O&M Reqmt	415	434	423	416	412
Investment Reqmt	164	169	173	177	181
Total Requirement	1,721	1,815	1,684	1,348	1,515
Available Financing					
O&M Funding	330	442	483	348	384
60 % of Investment	94	100	166	105	146
Total Financing	424	542	649	453	530
Year End Backlog	1,297	1,273	1,035	895	985
Backlog Reduction/ (Backlog Growth)**	(107)	63	276	(140)	(63)

- * - The backlog at the beginning of the year is equal to the previous year's backlog plus 3% for asset deterioration.
- In FY 1994, the program decrease over the FY 93 year end accounts for good bids in FY93, BRAC III DMAR that is no longer required, and updated field validation of FY 1994 requirements.

- ** - To zero the DMAR growth would require \$28 million in O&M and \$35 million in investment.

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FAMILY HOUSING REPAIRS
(Exceeding \$15K Threshold)

This information is provided to comply with the 1984 House Appropriations Committee language that requires the Services to report any expenditures from the maintenance account which will exceed \$15,000 per unit.

UNITED STATES

<u>Location</u>	<u>No. Units</u>	<u>Age of Units</u>	<u>Per Unit Cost</u>	<u>Unit (NSF)</u>	<u>Proj (NSF)</u>	<u>Total Cost(\$K)</u>	<u>Improvements/ Non-Routine M&R \$K FY89-93)</u>
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CALIFORNIA

<u>Vandenberg</u>	172	35	18.0	1,064	183,008	3,096.0	None
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Narrative: Phase II of an ongoing major repair effort. This project replaces overhead galvanized water pipes that are corroded and leaking, ruining sheet rock walls/ceilings and light fixtures. The water pipes are full of sediment and flow is severely restricted. In some cases, hot water travels so slowly it is lukewarm by the time it reaches the bathroom. The electrical system is a two-prong dated 1960 technology system that is incompatible with today's appliance outlets causing damage to appliances and the system. The 50 AMP services need to be upgraded to safely handle the load placed on electrical systems. This project will add a grounding wire to achieve a 3-prong system. The project is a minimal requirement to provide basic safe water and electricity to the homes.

<u>Los Angeles</u>	4	75	46	1,654	6,616	184	None
	3	75	27	1,654	4,962	82.5	None

Narrative: Replacement of undersized 75 year old garages at Ft. MacArthur. Work must meet all State Historical Preservation Office requirements. Renovation work last accomplished on units in 1982; the work did not include garages.

ILLINOIS

<u>Scott</u>	41	54	28.6	1,830	75,030	1,133	None
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Narrative: Replace slate shingle roofs on housing units and detached garages. Repair dormers, flashing and deteriorated wood trim. The original slate shingles are splitting/cracking and fasteners are failing, allowing shingles to release and slide off the roofs. The falling shingles create a safety hazard, especially around the entrance.

COLORADO

<u>Academy</u>	1	58	40.0	1,517	1,517	40	None
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Narrative: This project is to repair and perform minor alterations on an indigenous unit to include replacing the roof, entry doors, kitchen cabinets, bathroom tile and windows, and correct plumbing and electrical deficiencies. This project is the most economical way to bring the unit up to standards without doing whole-house upgrade which given the age, style and configuration of the unit, is not economically justifiable.

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FAMILY HOUSING REPAIRS
(Exceeding \$15K Threshold)

<u>Location</u>	<u>No. Units</u>	<u>Age of Units</u>	<u>Per Unit Cost</u>	<u>Unit (NSF)</u>	<u>Proj (NSF)</u>	<u>Total Cost (\$K)</u>	<u>Improvements/ Non-Routine M&R \$K FY89-93</u>
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OVERSEASGUAM

<u>Anderson</u>	200	34	32	1,150	230,000	6,400	None
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Narrative: A multiphased project that will replace severely deteriorated elastomeric foam roofs with built up roofs.

KOREA

<u>Osan</u>	8	18	29	1,700	13,600	232	None
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Narrative: Repair/replace existing built-up roofs and related work such as gutters, flashings and downspouts.

JAPAN

<u>Kadena</u>	56	17	34	1,476	82,656	1,904	793
	110	30	23	1,240	136,400	2,530	2,330
	68	19	52	1,240	84,320	3,536	1,540

Narrative: Replace interior water piping, heating and cooling system, domestic hot water system, bathroom fixtures, wall coverings, title and trim, suspended ceiling, kitchen cabinets; mitigate radon, replace electrical system, replace exterior drain pipe brackets and replace venetian blinds. Galvanized iron piping has developed numerous leaks and clogging due to corrosion. Bathrooms and kitchens require renovation due to rusted fixtures, bathtubs, sinks, deteriorated cabinets, and walls/trim. All work needs to be done in full to avoid unnecessary or redundant costs and to limit disruptions to occupants.

<u>Yokota</u>	16	30	30	1,950	31,200	480	232
	24	19	35	1,476	35,424	840	None

Narrative: Repair kitchens including replacement of exterior glass sliding door, entrance doors, storm windows and repair bathrooms including fixtures, cabinets, counters, exhausts and lights.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST

FAMILY HOUSING REPAIRS
(Exceeding \$15K Threshold)

OVERSEAS (CONTINUED)

<u>Location</u>	<u>No. Units</u>	<u>Age of Unit Units</u>	<u>Per Unit Cost</u>	<u>Unit (NSF)</u>	<u>Proj (NSF)</u>	<u>Total Cost(\$K)</u>	<u>Improvements/ Non-Routine M&R \$K FY89-93)</u>
<u>GERMANY</u>							
<u>Ramstein</u>	44	39	43	1,609	70,800	1,877	183
	58	38	59	1,888	109,554	3,413	324
	72	38	48	1,700	122,432	3,478	None

Narrative: Repair of unsafe frayed electric system with 3-wire grounded system, fixtures, outlets and electric panels. Replacement of kitchen cabinets, counter tops, sinks, and faucets; bathroom fixtures, commodes, showers and vanities. Kitchen and bathrooms are deteriorated beyond minimum standards. Work also includes repair/replacement of floor/wall tiles and plastering painting the interior walls. The roofs also require repair.

<u>Bitburg</u>	48	38	96.5	1,218	58,464	4,615	None
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Narrative: Work includes interior repair/maintenance for 48 units. The project will replace electric distribution, mechanical and ventilation system, and the heating, water and sewage systems. Repair the kitchens, bedrooms, living rooms, balconies, hallways and stair wells. The repair in these rooms includes floors, walls, ceilings, wall tiles, roof and lightning protection. This housing will continue in use to support nearby Spangdahlem AB which is to remain in operation.

AZORES

<u>Lajes</u>	40	41	40.5	1,190	1,190	1,605	29
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Narrative: Replace heating/ventilation systems. Repair interior walls and ceilings. Replace rotted window frames/and studs, floor coverings, interior door hardware, and trash and storage sheds. Upgrade/repair electrical system and bathrooms. Install new exterior doors and hardware. Replace hot water heaters. Install wall sound proofing.

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MILITARY FAMILY HOUSING
FY 1994 BUDGET REQUEST

GENERAL OFFICER QUARTERS
(Exceeding \$25K Threshold)

This information is provided to comply with the 1984 House Appropriations Committee language that requires the Service to report any expenditures from the maintenance of General Officer Quarters that will exceed \$25,000 per unit.

<u>Location</u>	<u>Qtrs ID</u>	<u>Size NSF</u>	<u>Age of Unit</u>	<u>Ops Ttl</u>	<u>Util Ttl</u>	<u>Main Ttl</u>	<u>Ttl O&M</u>	<u>High Cost</u>	<u>Improvements Non-Routine (\$K FY89-93)</u>
<u>CALIFORNIA</u>									
<u>Los Angeles</u>	1	2,561	75	2.00	2.6	58	62.6	62.6	69.9
	2	2,146	75	2.00	2.5	57	61.5	61.5	49.6
	11A	1,723	75	1.70	2.2	38	41.9	41.9	48.0

Narrative Demolish and remove existing garages, concrete slabs, underground utilities, and existing power. Grade existing area for drainage, place a new concrete slab and, construct garages.

DISTRICT OF COLUMBIA

<u>Bolling</u>	22-27	2,421	60	37.2	43.5	791.4	921.5	144.3	None
	28-32	2,421	60	29.5	35.6	247.0	312.1	63.5	None

Narrative: Repair roofs and windows, and sun porches on GOQ's. The existing roofs and windows are deteriorated due to age and condition. Without repair, the roofs will continue to leak resulting in structural and interior damage to the quarters and occupants personal property. The windows have outlived their useful life, and are energy inefficient. The repairs are necessary to reduce heating and cooling costs. Repair sun porches by replacing deteriorating floors, and exterior walls.

ILLINOIS

<u>Scott</u>	153E	2,234	54	.5	4	38.6	43.1	43.1	47
	153W	2,234	54	.5	4	38.6	43.1	43.1	29
	154N	2,234	54	.5	4	38.6	43.1	43.1	32
	154S	2,234	54	.5	4	38.6	43.1	43.1	37
	156N	2,234	54	.5	4	38.6	43.1	43.1	31
	156S	2,234	54	.5	4	38.6	43.1	43.1	31
	158N	2,234	54	.5	4	38.6	43.1	43.1	30
	158S	2,234	54	.5	4	38.6	43.1	43.1	32
	160N	2,234	54	.5	4	38.6	43.1	43.1	29
	160S	2,234	54	.5	4	38.6	43.1	43.1	31
	162E	2,234	54	6.5	4	38.6	43.1	43.1	35

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1994 BUDGET REQUEST

GENERAL OFFICER QUARTERS
(Exceeding \$25K Threshold)

<u>Location</u>	<u>Qtrs</u> <u>ID</u>	<u>Size</u> <u>NSF</u>	<u>Age of</u> <u>Unit</u>	<u>Ops</u> <u>Ttl</u>	<u>Util</u> <u>Ttl</u>	<u>Main</u> <u>Ttl</u>	<u>Ttl</u> <u>O&M</u>	<u>High</u> <u>Cost</u>	<u>Improvements</u> <u>Non-Routine</u> <u>(\$K FY89-93)</u>
<u>Scott</u>	(Cont'd)								
	162W	2,234	54	6.5	4	38.6	43.1	43.1	32
	200	2,676	54	6.5	4.2	39.1	49.8	49.8	62
	201	2,253	54	.5	4.2	39.1	49.8	49.8	41
	227	2,879	54	6.5	5	43.7	55.2	55.2	53
	229	2,879	54	6.5	5	43.7	55.2	55.2	53
	231	2,879	54	6.5	5	43.7	55.2	55.2	55

Narrative: Replace slate shingle roofs on housing units and detached garages. Repair dormers, flashing and deteriorated wood trim. The original slate shingles are splitting/cracking and fasteners are failing, allowing shingles to release and slide off the roofs. The falling shingles create a safety hazard

OVERSEAS

KOREA

<u>Osan</u>	437A	1,864	18	1.1		45	49.3	49.3	6
	1065A	1,700	18	3.2		45	52.0	52.0	23

Narrative: Repair/replace existing built-up roof and other related work such as gutters, flashings and downspouts.

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FY 1995 BUDGET REQUEST
RECONCILIATION OF INCREASES AND DECREASES
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Reimbursement. Includes collections received from rental of Air Force family housing to foreign nationals, civilian and other personnel. Included in the estimate is the anticipated reimbursements due to members who separate voluntarily that are authorized to live in government quarters for up to six months after separation.

1.	FY 1994 President's Budget Request	\$ 9,397
2.	Program Increases Military Personnel to stay in MFH past their authorized termination date	\$ 1,811
3.	FY 1994 Current Estimate	\$11,208
4.	Price Growth Inflation	\$ 258
5.	Program Decreases Fewer units to support	\$ -327
6.	FY 1995 Budget Request	\$11,139

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RECONCILIATION OF INCREASES AND DECREASES
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Leasing. Provides payment for the costs incurred in leasing housing units used for assignment as public quarters. The family housing leasing program provides housing at both domestic and foreign locations when the local economy cannot provide adequate support and the deficit of on-base housing also does not satisfy requirements. The leasing program is authorized by 10 U.S.C. 2828 and provides for payment of rent and operations and maintenance costs of privately owned quarters for assignment as government quarters to military families. This program also includes funds needed to pay for services such as utilities and refuse collection when these services are not part of the contract agreement.

The Air Force continues to rely on the private sector to meet the majority of housing needs. Where the private sector rental markets and on-base housing cannot meet requirements and cost effective alternatives do not exist, short and long-term leases are used. In high cost areas and overseas, the Air Force relies extensively on the leasing program to obtain housing to meet critical housing needs.

1.	FY 1994 President's Budget Request	\$118,266
2.	Program Increases:	
	Lease Operating Costs at Comiso AB Italy	7,135
3.	Program Decreases:	
	Accelerated overseas base closures resulting in programmed leases not materializing	\$ -6,927
4.	Savings in Terminations Costs to Fund Comiso	\$ -7,135
5.	FY 1994 Current Estimate	\$111,339
6.	Price Growth	
	Inflation	\$ 2,556
7.	Program Decreases:	
	Overseas Lease reduction impacted by base closure and realignment	\$ -1,138
8.	FY 1995 Budget Request	\$112,757

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST
RECONCILIATION OF INCREASES AND DECREASES
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Leasing Analysis (cont.)

Authorization is requested for appropriation of \$112,757,000 to fund leases and related expenses in FY 1995. The FY 1995 request for family housing leasing points is summarized as follows:

- (1) 9,201 Foreign lease points
- (2) 5,800 Section 801 lease points
- (3) 3,333 Domestic lease points

Foreign Leasing

Leasing in foreign countries is controlled by Congress. First by the number of lease points authorized, then by the review and approval of contract proposals, and finally by the funds appropriated. As overseas base closures occur, foreign leases are terminated as soon as economically possible. The Air Force is using less than one-half of the authorized foreign lease points. Air Force strategy during the drawdown in Europe is to maximize the use of government-controlled assets thereby providing more affordable housing for our personnel. The Air Force has been able to retain some housing areas from closing bases for use at bases that are remaining. Infact, the percentage of personnel able to reside on base will go up. We have increased assets at Aviano to support mission requirements. At Incirlik, the increase is to provide secure housing for off-base personnel

As the Air Force draws down in Europe, the order of the release of housing assets is placed, where possible, as (1) private rentals (which are usually the most expensive), (2) GRHP and build-to-lease units, and (3) government owned. The exact mix of types of housing will depend upon available assets in each locality. Renewals for leases will be on a year-to year basis to reduce cost by limiting termination liability. Full authorization is required to allow for sufficient flexibility during restructuring to maximize cost effective solutions.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST
RECONCILIATION OF INCREASES AND DECREASES
Exhibit OP-5

Leasing Analysis (cont.)

The lease at Comiso Italy is a special case where repeated efforts by the Air Force to achieve a cost effective solution for termination of the lease have not yet been successful. Therefore, another annual lease payment of \$7.2 million is required even though a buy-out of the lease for \$14.2 million would be the most cost effective long-term solution by saving the U.S. \$6.2 million over the life to the contract.

Section 801 Leasing

This program is helping to reduce our CONUS family housing deficit at sites where Air Force families are seriously affected by housing shortages and high costs.

In FY 1984, Congress authorized testing a new leasing program for U.S. installations in P.L. 98-115, Section 801. Subsequently, nine housing projects were completed and occupied: Eielson AFB, AK, 300 units; Hanscom AFB, MA, 163 units; Goodfellow AFB, TX, 200 units; March AFB, CA, 200 units; Travis AFB, CA, 300 units; Ellsworth AFB, SD, 200 units and 828 units; and Hurlburt AFB, FL, 300 units, Cannon AFB, NM, 200 and 150 units, and Eielson AFB, AK, 366 units. In addition, as part of a combined project with the Naval District of Washington, 414 units each for Andrews AFB and Bolling AFB are scheduled for full occupancy by the 4th quarter of FY 1995.

For 1995 the occupancy of the Eielson and Andrews leases will increase funding requirements. After Andrews is fully occupied the 801 leasing requirements stabilize.

Domestic Leasing

Domestic leasing provides temporary housing for Air Force families pending availability of permanent housing. For example, Onizuka's Domestic leasing project has provided interim relief for service families assigned to the San Francisco area pending transfer of Moffett NAS housing to the Air Force. This has been an excellent transition procedure to support families in a high cost area while preparing for long term solutions with the transfer of Moffet housing to the Air Force.

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Leasing Analysis (cont.)

Congress has authorized leasing of domestic units (10 U.S.C. 2828) on a temporary basis to satisfy critical requirements until a permanent solution can be found or if more economical than construction. In FY 1994, the Air Force plans to begin termination of all domestic leases at Onizuka AFB, CA. All leases at Onizuka should be terminated by the 1st quarter of FY 1995. The Air Force will use the cost savings to operate and maintain housing at Moffett NAS, predominately for Air Force personnel. The Air Force requests an extension of 60 domestic leases for Air Force personnel at Los Angeles AFB; 20 domestic leases for Armed Forces Radio and Television Services personnel at Los Angeles CA; an extension of 12 leased and an increase of 13 leases at Holbrook Radar Bomb Scoring Site, AZ; and an extension of 300 domestic leases at Moody AFB, GA and 250 domestic leases at Shaw AFB, SC.

FAMILY HOUSING, DEPARTMENT OF THE AIR FORCE
ANALYSIS OF LEASED UNITS
(Other than Section 801)
FY 1996

LOCATION (OAC)	FY 93			FY 94			FY 95		
	UNITS AUTH	LEASE MONTHS	COST (\$000)	UNITS AUTH	LEASE MONTHS	COST (\$000)	UNITS AUTH	LEASE MONTHS	COST (\$000)
DOMESTIC LEASES									
Onizuka, CA (83)	125	1,500	\$1,028	67	804	\$342	0	0	\$0
Holtbrook, AZ (78)	12	144	\$137	25	300	\$288	0	0	\$0
Harrison, AR (78)	0	0	0	30	360	\$346	30	360	\$346
Los Angeles, CA (47)	60	720	\$728	60	720	\$748	60	720	\$770
Los Angeles, CA/AFRTS (47)	10	120	\$120	20	240	\$240	20	240	\$240
Moody AFB, GE (78)	300	3,600	\$364	72	864	\$864	70	840	\$847
Shaw AFB, SC (78)	250	3,000	\$1,704	142	1,704	\$1,704	142	1,704	\$1,704
Unassigned	2,576			2,917			3,011		
TOTAL DOMESTIC LEASES	3,333	9,084	\$4,581	3,333	4,992	\$5,132	3,333	3,864	\$3,907
FOREIGN LEASES									
Copenhagen (83)	4	48	\$50	4	48	\$80	4	48	\$80
Seychelles (83)	2	24	\$12	2	24	\$27	2	24	\$27
Ascension (83)	1	12	\$17	1	12	\$17	1	12	\$17
Salpan (83)	1	12	\$14	1	12	\$14	1	12	\$14
Alconbury (80)	250	3,000	\$2,960	250	3,000	\$3,034	250	3,000	\$1,894
Ankara (80)	100	1,200	\$2,256	40	480	\$717	20	240	\$344
Aviano (80)	129	1,548	\$1,545	554	6,648	\$6,448	554	6,648	\$7,858
Bentwaters (80)	778	9,336	\$5,004	293	3,516	\$3,983	293	3,516	\$4,002
Comiso (80)	460	5,520	\$6,968	460	5,520	\$7,135	460	5,520	***\$7,299
Gellenkirchen (80)	1	12	\$26	1	12	\$30	1	12	\$32
Hahn (80)	300	900	\$190	0	0	\$0	0	0	\$0
Inchlik (80)	40	480	\$750	110	1,320	\$2,461	110	1,320	\$2,689
Izmir (80)	9	108	\$250	9	108	\$259	9	108	\$270
Kafkar (80)	35	420	\$697	36	420	\$730	36	420	\$772
Lakenheath (80)	1,065	12,780	\$12,243	1,065	12,780	\$12,832	1,065	12,780	\$13,376
Oslo (80)	2	24	\$74	1	12	\$31	1	12	\$35
Paris (80)	1	12	\$36	1	12	\$37	1	12	\$38
Ramstein (80)	690	8,280	\$7,222	519	6,228	\$6,047	519	6,228	\$6,110
Rhein Main (80)	392	6,483	\$6,483	332	3,984	\$6,834	332	3,984	\$3,430
Rome (80)	4	48	\$80	2	24	\$40	1	12	\$20
San Vito (80)	151	1,812	\$3,048	151	1,812	\$3,881	151	1,812	\$3,227
Soesterberg (80)	190	2,280	\$2,731	190	2,280	\$2,947	0	0	\$0
Spangdahlem (80)	500	6,000	\$6,216	500	6,000	\$7,029	500	6,000	\$6,843
Torrejon (80)	858	0	\$402	0	0	\$0	0	0	\$0
Upper Heyford (80)	50	600	\$888	50	600	\$966	50	600	\$995
Osan (74)	276	3,312	\$3,288	276	3,312	\$3,661	276	3,312	\$3,879
Lajes (66)	2	24	\$12	2	24	\$12	2	24	\$13
Bangkok (63)	7	84	\$129	7	84	\$142	7	84	\$150
Classified Location (63)	3	36	\$100	3	36	\$103	3	36	\$108
Cairo, Egypt (61)	3	36	\$75	3	36	\$80	3	36	\$85
Nairobi, Kenya (61)	2	24	\$43	2	24	\$46	2	24	\$50
Jordan (43)				2	24	\$38	2	24	\$40
Unassigned	2,895			4,334			4,545		
Termination Costs						\$3,370			\$300
Ankara									
Bentwaters									
Soesterberg									
Other			\$0			\$0			\$0
TOTAL FOREIGN LEASES	9,201	64,455	\$63,809	9,201	58,392	\$73,151	9,201	55,860	\$37,658
GRAND TOTAL FH-4	12,534	73,539	\$68,390	12,534	63,384	\$78,283	12,534	59,724	\$41,565

DD Form 2458-2, JUN 86

Exhibit FH-4

** As a result of Congress' failure to buyout Comiso in FY94 we will have to achieve economies in our leasing program to cover the cost of the \$7M lease. These costs must be absorbed within the FY96 program. If that does not prove viable we will move funds from our maintenance account.

FAMILY HOUSING, DEPARTMENT OF THE AIR FORCE
ANALYSIS OF HIGH COST LEASED UNITS
(Other than Section 801)
FY 1995

LOCATION	FY85 TOTAL LEASES Per Country	FY93			FY94			FY95		
		HIGH COST UNITS	EST COST	EST COST	HIGH COST UNITS	EST COST	EST COST	HIGH COST UNITS	EST COST	EST COST
DOMESTIC LEASES										
Los Angeles, Ca	15	12,000	189,000	15	12,000	193,000	15	12,000	194,000	194,000
Orizaba, Ca	125	125	1,744,000	125	125	1,745,000	67	10	942,000	942,000
None Over \$14K per Year	0	0	14,000	0	14,000	14,000	0	14,000	14,000	14,000
Sub--Total Domestic	722	140	1,933,000	140	1,933,000	1,938,000	82		1,136,000	1,136,000
FOREIGN LEASES										
*Gallardetichan, Germany	1,368	1	25,590	26,000	1	26,076	30,000	1	26,076	32,000
*Izmir, Turkey	139	1	2,968	52,900	1	2,968	55,000	1	2,968	57,200
*Izmir, Turkey	139	1	2,968	50,500	1	2,968	52,500	1	2,968	54,600
*Izmir, Turkey	139	1	2,968	23,200	1	2,968	24,100	1	2,968	25,050
*Izmir, Turkey	139	1	2,968	21,400	1	2,968	22,250	1	2,968	23,150
*Izmir, Turkey	139	1	2,968	20,400	1	2,968	21,200	1	2,968	22,050
*Izmir, Turkey	139	1	2,968	20,300	1	2,968	21,100	1	2,968	21,950
*Izmir, Turkey	139	1	2,968	20,200	1	2,968	21,000	1	2,968	21,900
*Izmir, Turkey	139	1	2,968	20,100	1	2,968	20,900	1	2,968	21,750
*Izmir, Turkey	139	1	2,968	20,500	1	2,968	21,300	1	2,968	22,150
**Oslo, Norway	1	1	23,695	83,200	1	23,987	83,300	1	23,987	93,600
***Paris, France	1	N/A	N/A	35,500	N/A	N/A	36,900	N/A	N/A	38,400
***Copenhagen, Denmark	4	N/A	N/A	29,200	N/A	N/A	35,000	N/A	N/A	35,000
***Egypt	3	N/A	N/A	75,000	N/A	N/A	80,000	N/A	N/A	85,000
***Kenya	2	N/A	N/A	43,000	N/A	N/A	46,000	N/A	N/A	50,000
***Thailand	7	N/A	N/A	129,000	N/A	N/A	142,000	N/A	N/A	150,000
Classified Location	3	N/A	N/A	100,000	N/A	N/A	103,000	N/A	N/A	108,000
Sub-- Total Foreign		11	750,400	11	11	815,550	11	11	861,800	861,800
GRAND TOTAL FH--4A		151	N/A	2,683,400	151	N/A	2,753,550	83	N/A	1,997,800

The HIGH COST domestic leases range between \$12k and \$14k per year. No domestic lease exceeds \$14K per year.
Exhibit FH-4A

* The adjusted cost cap for overseas leases is determined by multiplying \$20k times the FY 88 exchange rate divided by the FY 95 exchange rate. Leases exceeding this cap are defined as HIGH COST and are counted against the number of high cost leases allowed.

** Oslo lease will move to Stavanger in mid FY94

*** State Department pool leases do not count against the total number of high cost leases allowed.

FAMILY HOUSING, DEPARTMENT OF THE AIR FORCE SECTION 801 FAMILY HOUSING SUMMARY (Dollars in Thousands) FY 1995									
LOCATION	NO. OF UNITS	FY OF INITIAL AUTH	DATE OF AWARD	DATE OF FULL OCCUP	FY93 COSTS	FY94 UNITS	FY94 COSTS	FY95 UNITS	FY95 COSTS
Hanscom AFB, MA	163	FY84	SEP 85	OCT 87	\$2,701	163	\$3,074	163	\$3,225
Goodfellow AFB, TX	200	FY86	SEP 86	JAN 88	\$2,032	200	\$2,187	200	\$2,294
Andrews AFB MD	828	FY90	SEP 91	JUL 95	\$0	294	\$1,881	828	\$9,551
Hurlburt AFB FL	300	FY90	JUN 90	JUL 92	\$2,823	300	\$3,155	300	\$3,425
March AFB, CA	200	FY86	NOV 87	NOV 88	\$2,024	200	\$2,243	200	\$2,372
Travis AFB, CA	300	FY88	SEP 89	AUG 91	\$3,991	300	\$4,567	300	\$4,828
Eielson AFB, AK	300	FY84	JAN 85	JUL 86	\$4,680	300	\$5,325	300	\$5,771
Eielson AFB, AK	368	FY91	SEP 91	SEP 95	\$0	120	\$305	366	\$3,084
Ellsworth AFB (2), SD	828	FY88	AUG 89	JUN 91	\$9,887	828	\$10,357	828	\$11,133
Ellsworth AFB, SD	200	FY88	JUN 89	JUL 90	\$2,222	200	\$2,590	200	\$2,784
Cannon AFB, NM	350	FY88	JUN 91	AUG 93	\$3,035	350	\$3,723	350	\$4,002
SIQH Estimate/Maintenance					\$494		\$576		\$623
ANNUAL REQUIREMENT	4,035	N/A	N/A	N/A	\$32,889	3,255	\$39,983	4,035	\$52,092
Unused Lease Points	1,765				\$0	2,331	\$0	1,765	\$0
GRAND TOTAL FH-5	5,800	N/A	N/A	N/A	\$32,889	5,586	\$39,983	5,800	\$52,092
Exhibit FH-5									

ANDREWS SCHEDULE - 101 UNITS APR 94, 193 UNITS SEP 94, 193 UNITS MAR 95, 201 UNITS APR 95, 140 UNITS JUN 95

EIELSON SCHEDULE - 60 UNITS JUN 94, 60 UNITS SEP 94, 60 UNITS JAN 95, 60 UNITS APR 95, 60 UNITS JUN 95, 66 UNITS SEP 95

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST

DEBT PAYMENTProgram (in Thousands)

FY 1995 Program \$26

FY 1994 Program \$21

Purpose and Scope

The Debt Payment program continues in FY 1995 in name only, as the last of the Capehart and Wherry mortgages were liquidated in FY 1989.

This program includes payment of Servicemen's Mortgage Insurance Premiums to FHA for mortgages assumed by active military personnel prior to FY 1980. These payments continue to decline to lower levels in FY 1995.

Program Summary

Authorization is requested for the appropriation of \$26,000 as follows:

<u>(\$ In Thousands)</u>	<u>FY 1994 ESTIMATE</u>	<u>FY 1995 ESTIMATE</u>
Servicemen's Mortgage Insurance Premiums	21	26
TOTAL OBLIGATING AUTHORITY (TOA)	21	26
Principal Payment		
Capehart	0	0
Wherry	0	0
Subtotal	0	0
TOTAL REQUIREMENTS (BUDGET AUTHORITY PLUS APPROPRIATION):	21	26

Servicemen's Mortgage Insurance Premiums

Servicemen's Mortgage Insurance Premiums, Section 124, Public Law 560, 83rd Congress, The Housing Act of 1954, aids in providing homes for members of the Armed Forces of the United States and

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1995 BUDGET REQUEST

their families through a system of FHA mortgage insurance especially designed to assist such members in financing the construction or purchase of homes.

This program was discontinued through Public Law 93-130 (Military Construction Appropriation Act, 1980) which allowed coverage only on existing mortgages covered prior to FY 1980. The amount needed to continue funding premiums on mortgages existing prior to FY 1980 continues to decrease. The program for FY 1994 and FY 1995 is as follows:

<u>Fiscal Year</u>	<u>Number</u>	<u>Average Payment/YR</u>	<u>Amount (\$000)</u>
1994	115	182	21
1995	143	182	26

DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1995

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SUMMARY PROJECT LIST
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM - FY 1995

<u>STATE/ COUNTRY</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH/APPROP AMOUNT</u>	<u>DD FORM 1391 PAGE NO.</u>
Alabama	Birmingham Municipal Airport (ANG)		
	Aircraft Parking Apron and	15,000	b - 3
	Hydrant Refueling System	1,700	b - 6
	Communications Facility		
	Add to and Alter Squadron	1,100	b - 9
	Operations Facility	2,500	b - 11
	Upgrade Drainage System		
	Dannelly Field Air National Guard		
	Replace Underground	700	b - 16
	Fuel Storage Tanks		
	Sub-total Alabama	21,000	
Arkansas	Ft Smith Municipal Airport ANG		
	Replace Underground	440	b - 20
	Fuel Storage Tanks		
	Sub-total Arkansas	440	
California	Fresno Air National Guard Base		
	Site Restoration	3,500	b - 24
	Moffett Field ANG		
	Alter Vehicle Maintenance	400	b - 187
	Facility		
	North Highlands ANG Station		
	Replace Underground	400	b - 187
	Fuel Storage Tanks		
	Sub-total California	4,300	
Colorado	Buckley Air National Guard Base		
	Aircraft Wash and Deicing	400	b - 187
	Apron		
	Add to and Alter Fuel Systems	1,300	b - 33
	Maintenance Facility		
	Sub-total Colorado	1,700	

<u>STATE/ COUNTRY</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH/APPROP AMOUNT</u>	<u>DD FORM 1391 PAGE NO.</u>
Georgia	Robins Air Force Base		
	B-1 Consolidated Aircraft Support and Hydrant Systems	9,400	b - 38
	Alter B-1 Maintenance Hanger and Shops	2,950	b - 40
	B-1 Hangar Complex	<u>8,400</u>	b - 42
	Sub-total Georgia	20,750	
Hawaii	Hickam Air Force Base		
	Replace Underground Fuel Storage Tanks	<u>1,000</u>	b - 46
	Sub-total Hawaii	1,000	
Idaho	Boise Air Terminal (Gowen Field) Upgrade Base Drainage	<u>380</u>	b - 187
	Sub-total Idaho	380	
	Site 94-03		
	Aircraft Deicing Apron	400	b - 188
	Fuel Systems Maintenance and Corrosion Control Facility	5,200	b - 52
	Fire Station and AGE Shop	<u>1,950</u>	b - 55
	Sub-total Site 94-03	7,550	
Kansas	Forbes Field ANG		
	Site Restoration and Fuel Storage Tank Removal	2,950	b - 60
	Upgrade Sanitary Sewer System	<u>670</u>	b - 62
	Sub-total Kansas	3,620	
Kentucky	Standiford Field ANG		
	Fuel Cell and Corrosion Control Facility	<u>2,950</u>	b - 67
	Sub-total Kentucky	2,950	
Maine	Bangor International Airport		
	Replace Underground Fuel Storage Tanks	840	b - 72
	Refueling Vehicle Maintenance Facility	<u>379</u>	b - 188
	Sub-total Maine	1,219	

STATE/ COUNTRY	INSTALLATION AND PROJECT	AUTH/APPROP AMOUNT	DD FORM 1391 PAGE NO.
Michigan	Alpena County Regional Airport		
	Replace Underground		
	Fuel Storage Tanks	385	b - 188
	Regional Firemen Training		
	Facility	750	b - 76
	Selfridge Air National Guard Base		
	Upgrade Heating Systems	5,400	b - 80
	Upgrade Storm Drainage		
	System	840	b - 83
	W K Kellogg Airport		
	Fire Station and Aircraft		
	Support Equipment Shop	<u>1,600</u>	b - 87
	Sub-total Michigan	8,975	
Missouri	Jefferson Barracks ANG Station		
	Replace Fuel Tanks and Upgrade		
	Refueling Vehicle/Paint Booth	500	b - 92
	Lambert St Louis IAP ANG		
	Replace Underground		
	Fuel Storage Tanks	<u>440</u>	b - 97
	Sub-total Missouri	940	
Montana	Great Falls International Airport ANG		
	Add to and Alter Fuel Cell		
	and Corrosion Control Hangar	<u>1,150</u>	b - 101
	Sub-total Montana	1,150	
Nebraska	Lincoln Municipal Airport (ANG)		
	Parking Apron and Hydrant		
	Refueling System	14,274	b - 105
	Replace Underground		
	Fuel Storage Tanks	<u>500</u>	b - 108
	Sub-total Nebraska	14,774	
New Jersey	McGuire Air Force Base		
	Replace Underground		
	Fuel Storage Tanks	<u>1,000</u>	b - 112
	Sub-total New Jersey	1,000	

<u>STATE/ COUNTRY</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH/APPROP AMOUNT</u>	<u>DD FORM 1391 PAGE NO.</u>
New Mexico	Kirtland Air Force Base Replace Underground Fuel Storage Tanks	<u>900</u>	b - 116
	Sub-total New Mexico	900	
New York	Hancock Field ANG Replace Underground Fuel Storage Tanks	580	b - 120
	Niagara Falls International Airport Replace Underground Fuel Storage Tanks	<u>640</u>	b - 124
	Sub-total New York	1,220	
North Carolina	Charlotte/Douglas Internat'l Airport Replace Underground Fuel Storage Tanks	<u>690</u>	b - 128
	Sub-total North Carolina	690	
Ohio	Mansfield Lahm Airport ANG Replace Underground Fuel Storage Tanks	770	b - 132
	Springfield Beckley Municipal Apt Replace Underground Fuel Storage Tanks	400	b - 188
	Add to and Alter Fuel Cell and Corrosion Control Facility	1,250	b - 136
	Toledo Express Airport ANG Aircraft Deicing Apron	<u>320</u>	b - 189
	Sub-total Ohio	2,740	
Oklahoma	Tulsa International Airport Replace Underground Fuel Storage Tanks	<u>700</u>	b - 142
	Sub-total Oklahoma	700	
Oregon	Portland International Airport Site Restoration	<u>1,700</u>	b - 146
	Sub-total Oregon	1,700	

<u>STATE/ COUNTRY</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH/APPROP AMOUNT</u>	<u>DD FORM 1391 PAGE NO.</u>
Pennsylvania	Ft Indiantown Gap ANG Station Replace Underground Fuel Storage Tanks	1,800	b - 151
	Pittsburgh Int'l Apt ANG Replace Underground Fuel Storage Tanks	500	b - 155
	Harrisburg IAP Olmstead Fld Replace Underground Fuel Storage Tanks	690	b - 159
	Willow Grove Air Reserve Facility Replace Underground Fuel Storage Tanks	<u>470</u>	b - 163
	Sub-total Pennsylvania	3,460 -	
Utah	Salt Lake City Internat'l Apt ANG Aircraft Washrack and Deice Facility	<u>400</u>	b - 189
	Sub-total Utah	400	
West Virginia	EWVRA Shepherd Field ANG Replace Underground Fuel Storage Tanks	<u>500</u>	b - 169
	Sub-total West Virginia	500	
Wisconsin	General Mitchell International Airport Replace Central heat Plant	800	b - 173
	Truax Field Add to and Alter Aircraft Support Equipment shop/Storage	340	b - 189
	Volk Field Air National Guard Base Regional Firemen Training Facility	<u>700</u>	b - 179
	Sub-total Wisconsin	1,840	
	SUB-TOTAL INSIDE THE UNITED STATES	105,898	

<u>STATE/ COUNTRY</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH/APPROP AMOUNT</u>	<u>DD FORM 1391 PAGE NO.</u>
OUTSIDE THE UNITED STATES			
Puerto Rico	Puerto Rico IAP		
	Replace Underground		
	Fuel Storage Tanks	590	b - 183
	Add to and Alter Aircraft		
	Corrosion Control Facility	<u>750</u>	b - 185
	Sub-total Puerto Rico	1,340	
SUB-TOTAL OUTSIDE THE UNITED STATES		1,340	
SUB-TOTAL - ALL BASES		107,238	
PLANNING AND DESIGN		11,532	b - 190
UNSPECIFIED MINOR CONSTRUCTION		<u>4,000</u>	b - 193
SUB-TOTAL - SUPPORT COSTS		15,532	
GRAND TOTAL		122,770	

SUMMARY PROJECT LIST
AIR NATIONAL GUARD
NEW MISSION VERSUS CURRENT MISSION - FY 1995

<u>LOCATION</u>	<u>PROJECT</u>	<u>COST (\$000)</u>	<u>NEW/ CURRENT.</u>
Birmingham MAP AL	Aircraft Parking Apron and Hydrant Refueling System	15,000	N
	Communications Facility	1,700	N
	Add to and Alter Squadron Operations Facility	1,100	N
	Upgrade Drainage System	2,500	C
Dannelly Field ANG AL	Replace Underground Fuel Storage Tanks	700 -	C
Ft Smith MAP AR	Replace Underground Fuel Storage Tanks	440	C
Fresno ANGB CA	Site Restoration	3,500	C
Moffett Fld CA	Alter Vehicle Maintenance Facility	400	C
No Highlands CA	Replace Underground Fuel Storage Tanks	400	C
Buckley ANGB CO	Aircraft Wash and Deicing Apron	400	C
	Add to and Alter Fuel Systems Maintenance Facility	1,300	C
Robins AFB GA	B-1 Consolidated Aircraft Support and Hydrant Systems	9,400	N
	Alter B-1 Maintenance Hanger and Shops	2,950	N
	B-1 Hangar Complex	8,400	N
Hickam AFB HI	Replace Underground Fuel Storage Tanks	1,000	C
Boise ID	Upgrade Base Drainage	380	C
Site 94-03	Aircraft Deicing Apron	400	N
	Fuel Systems Maintenance and Corrosion Control Facility	5,200	N
	Fire Station and AGE Shop	1,950	N

<u>LOCATION</u>	<u>PROJECT</u>	<u>COST (\$000)</u>	<u>NEW/ CURRENT.</u>
Forbes Field KS	Site Restoration and Fuel Storage Tank Removal	2,950	C
	Upgrade Sanitary Sewer System	670	C
Standiford Field KY	Fuel Cell and Corrosion Control Facility	2,950	C
Bangor IAP ME	Replace Underground Fuel Storage Tanks	840	C
	Refueling Vehicle Maintenance Facility	379	C
Alpena County Regional Apt MI	Replace Underground Fuel Storage Tanks	385	C
	Regional Firemen Training Facility	750	C
Selfridge ANGB MI	Upgrade Heating Systems	5,400	C
	Upgrade Storm Drainage System	840	C
W K Kellogg MI	Fire Station and Aircraft Support Equipment Shop	1,600	N
Jefferson MO	Replace Fuel Tanks and Upgrade Refueling Vehicle/Paint Booth	500	C
Lambert St Louis IAP MO	Replace Underground Fuel Storage Tanks	440	C
Great Falls IAP MT	Add to and Alter Fuel Cell and Corrosion Control Hangar	1,150	C
Lincoln MAP NE	Parking Apron and Hydrant Refueling System	14,274	N
	Replace Underground Fuel Storage Tanks	500	C
McGuire AFB NJ	Replace Underground Fuel Storage Tanks	1,000	C
Kirtland AFB NM	Replace Underground Fuel Storage Tanks	900	C
Hancock Field NY	Replace Underground Fuel Storage Tanks	580	C
Niagara Falls IAP NY	Replace Underground Fuel Storage Tanks	640	C

<u>LOCATION</u>	<u>PROJECT</u>	<u>COST (\$000)</u>	<u>NEW/ CURRENT.</u>
Charlotte/Douglas IAP NC	Replace Underground Fuel Storage Tanks	690	C
Mansfield Lahm Apt OH	Replace Underground Fuel Storage Tanks	770	C
Springfield Beckley MAP OH	Replace Underground Fuel Storage Tanks	400	C
	Add to and Alter Fuel Cell and Corrosion Control Facility	1,250	C
Toledo OH	Aircraft Deicing Apron	320 -	C
Tulsa IAP OK	Replace Underground Fuel Storage Tanks	700	C
Portland IAP OR	Site Restoration	1,700	C
Ft Indiantown Gap ANGS PA	Replace Underground Fuel Storage Tanks	1,800	C
Pittsburgh IAP PA	Replace Underground Fuel Storage Tanks	500	C
Harrieburg IAP Olmstead Fld PA	Replace Underground Fuel Storage Tanks	690	C
Willow Grove Air Reserve Pac PA	Replace Underground Fuel Storage Tanks	470	C
Salt Lake City IAP UT	Aircraft Washrack and Deice Facility	400	C
EWVRA Shepherd Field WV	Replace Underground Fuel Storage Tanks	500	C
General Mitchell WI	Replace Central heat Plant	800	C
Truax Field WI	Add to and Alter Aircraft Support Equipment Shop/Storage	340	N
Volk Field ANGB WI	Regional Firemen Training Facility	700	C

<u>LOCATION</u>	<u>PROJECT</u>	<u>COST (\$000)</u>	<u>NEW/ CURRENT.</u>
Puerto Rico IAP PR	Replace Underground Fuel Storage Tanks	590	C
	Add to and Alter Aircraft Corrosion Control Facility	750	C
	PLANNING AND DESIGN	11,532	
	UNSPECIFIED MINOR CONSTRUCTION	4,000	
	TOTAL NEW MISSION	62,240	-
	TOTAL CURRENT MISSION	44,998	
	GRAND TOTAL - FY 1995 REQUEST	122,770	

DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1995

APPROPRIATION

MILITARY CONSTRUCTION, AIR NATIONAL GUARD

SECTION I

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Air National Guard, and contribution therefor, as authorized by Chapter 133 of Title 10, United States Code, and military construction authorization Acts, \$122,770 to remain available until September 30, 1999. (September 30, 1998)

() Individual FY 95 Appropriation Language

SPECIAL PROGRAM CONSIDERATIONS

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

Energy Conservation

Military construction projects specifically for energy conservation at installations have been developed, reviewed, and selected with prioritization by energy savings versus investment cost. Projects include improvements to existing facilities and utility systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

Flood Plain Management and Wet Land Protection

Proposed land acquisitions, disposals, and installation construction projects have been planned to allow the proposed management of flood plains and the protection of wet lands by avoiding long and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss of degradation of wet lands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11900.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-400, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object or setting listed in the National Register of Historic Places, except as noted on DD Form 1391.

Environmental Protection

In accordance with Section 102(2) (c) of the Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources. Actual economic analysis have been or will be prepared for all projects over \$2,000,000.

SPECIAL PROGRAM CONSIDERATIONS

(continued)

Reserve Manpower Potential

The reserve manpower potential to meet and maintain authorized strengths of all reserve flying/non-flying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other Services having reserve flying/non-flying units in these areas, that the number of units of the reserve components of the Armed Forces presently located in those areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that reasonably can be expected to be maintained at authorized strength considering the number of persons living in the areas who are qualified for membership in those reserve units.

Potential Use of Vacant Schools and Other State and Local Facilities

The potential use of vacant schools and other state and local owned facilities has been reviewed and analyzed for each facility to be constructed under this program.

Construction Criteria Manual

Unless otherwise noted, the projects comply with the scope and design criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

Mil. Con., Air National Guard
Program and Financing (in thousands of dollars)

Identification code	57-3830-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed)			Obligations		
		1993 actual	1994 est.	1995 est.	1993 actual	1994 est.	1995 est.
Program by activities:							
Direct program:							
00.0101	Major construction	284,859	232,623	107,238	174,601	248,668	185,957
00.0201	Minor construction	5,000	4,000	4,000	2,910	5,203	4,220
00.0301	Planning	17,700	10,868	11,532	15,266	21,243	13,570
10.0001	Total	287,559	247,491	122,770	192,777	275,114	203,747
Financing:							
17.0001	Recovery of prior year obligations				-22		
21.4002	Unobligated balance available, start of year:						
21.4009	For completion of prior year budget plans				-174,953	-269,723	-242,100
	Reprogramming from/to prior year budget plan	-32					
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				269,723	242,100	181,123
25.0001	Unobligated balance expiring	18,232			18,232		
40.0001	Budget authority (Appropriation)	305,759	247,491	122,770	305,759	247,491	122,770
Relation of obligations to outlays:							
71.0001	Obligations incurred						
72.4001	Obligated balance, start of year				192,777	275,114	203,747
72.4001	Obligated balance, end of year				233,275	186,656	193,793
77.0001	Adjustments in expired accounts (net)				-186,656	-193,793	-143,176
78.0001	Adjustments in unexpired accounts				-136		
					-22		
90.0001	Outlays (net)				239,237	267,977	254,364

Mil. Con., Air National Guard
Object Classification (in thousands of dollars)

Identification code	57-3830-0-1-051	1993 actual	1994 est.	1995 est.
Direct obligations:				
125.101 Consulting Services		525	515	515
125.203 Other services with the private sector		22,028	55,513	22,159
132.001 Contracts with the private sector		159,510	211,314	171,538
132.001 Land and structures				
199.001 Total Direct obligations		182,063	267,342	194,212
Allocation Accounts				
325.101 Consulting Services		20	4	5
325.203 Other services with the private sector		395	400	300
332.001 Contracts with the private sector		10,299	7,368	9,230
332.001 Land and structures				
399.001 Total Allocation Accounts		10,714	7,772	9,535
999.001 Total obligations		192,777	275,114	203,747
Obligations are distributed as follows:				
Defense Military Army		812	280	329
Defense Military Navy		26,976	9,875	9,164
Defense Military Air Force		159,851	260,936	190,524
Department of Transportation		5,138		
United States Information Agency			4,023	3,730
Total obligations		192,777	275,114	203,747

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION BIRMINGHAM MUNICIPAL AIRPORT (ANG), ALABAMA			4. AREA CONSTR COST INDEX 0.90	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 9 Army National Guard Armories, 3 Army Reserve, 1 Marine and Naval Reserve Center				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START CMPL
113-321	AIRCRAFT PARKING APRON AND HYDRANT REFUELING SYSTEM	LS	15,000	JAN 92 JUN 94
131-111	COMMUNICATIONS FACILITY	8,000 SF	1,700	SEP 91 MAY 94
141-753	ADD TO AND ALTER SQUADRON OPERATIONS FACILITY	24,000 SF	1,100	DEC 91 APR 94
871-183	UPGRADE DRAINAGE SYSTEM	LS	2,500	JAN 93 JUL 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved <u>28 OCT 93</u> (Date)				
9. LAND ACQUISITION REQUIRED		None	(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	
124-135	ADD TO JET FUEL STORAGE	LS	5,000	
171-450	JOINT MEDICAL TRAINING FACILITY (ANG/ARNG)	22,500 SF	2,200	
217-712	ALTER KC 135 AIRCRAFT SHOPS	58,600 SF	4,400	
219-944	BASE ENGINEER AND DISASTER PREPAREDNESS FACILITY	21,700 SF	3,850	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE		
3. INSTALLATION AND LOCATION BIRMINGHAM MUNICIPAL AIRPORT (ANG), ALABAMA							
11. PERSONNEL STRENGTH AS OF 7 OCT 93							
	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	315	6	46	263	1,224	142	1,082
ACTUAL	311	6	45	260	1,149	146	1,003
12. RESERVE UNIT DATA							
				STRENGTH			
UNIT DESIGNATION				AUTHORIZED	ACTUAL		
107	REC	WG		68	69		
106	REC	WG		156	137		
117	MSS	SQ		45	42		
117	CAM	SQ		423	387		
117	TAC	HP		50	48		
117	REC	SQ		82	74		
117	CE	SQ		124	112		
117	SP	FLT		57	57		
117	COMMFL			21	18		
117	RES	SQ		120	116		
117	MSS	FT		38	39		
117	SER	FT		34	32		
117	STU	FT		0	13		
117	TAC	OL		6	5		
TOTALS				1,224	1,149		
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE				AUTHORIZED	ASSIGNED		
RF-4C Aircraft				18	22		
KC-135 Aircraft				10	0		
Support Equipment				180	178		
Vehicle Equivalents				232	232		

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION BIRMINGHAM MUNICIPAL AIRPORT (ANG) ALABAMA			4. PROJECT TITLE AIRCRAFT PARKING APRON AND HYDRANT REFUELING SYSTEM		
5. PROGRAM ELEMENT 55296F	6. CATEGORY CODE 113-321	7. PROJECT NUMBER BRKR919601	8. PROJECT COST(\$000) \$15,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
AIRCRAFT APRON AND HYDRANT REFUELING		LS			11,627
AIRCRAFT PARKING APRON		SY	88,000	95	(8,360)
TAXIWAYS WITH LIGHTS		SY	10,000	80	(800)
HYDRANT SYSTEM AND JET FUEL LINE		LS			(1,700)
OPERATIONS FACILITY		SF	1,650	135	(223)
OPERATING TANK		BL	3,750	145	(544)
SUPPORTING FACILITIES					1,970
UTILITIES		LS			(1,350)
SITE IMPROVEMENTS		LS			(400)
DEMOLITION		LS			(220)
SUBTOTAL					13,597
CONTINGENCY (5%)					680
TOTAL CONTRACT COST					14,277
SUPERVISION, INSPECTION AND OVERHEAD (5%)					714
TOTAL REQUEST					14,991
TOTAL REQUEST (ROUNDED)					15,000
10. Description of Proposed Construction: Concrete apron with taxi lanes. All utility systems to include hydrant pits and apron/taxiway lighting and drainage. Demolish Building 111 (11,200 SF), sound suppressor foundation and 48,500 SY of substandard apron.					
11. REQUIREMENT: 98,000 LS ADEQUATE: 0 SUBSTANDARD: 48,500 LS PROJECT: Aircraft Parking Apron and Hydrant Refueling System (New Mission). REQUIREMENT: This project supports the conversion from 18 RF-4C aircraft to 10 KC-135 aircraft in 1995. An adequately sized aircraft parking apron with the proper strength and a hydrant refueling system are required to operate a squadron of KC 135 aircraft. CURRENT SITUATION: The concrete apron designed for fighter aircraft is not strong enough nor properly configured to accommodate the weight and clearances of the KC-135 aircraft. Airfield clearance criteria precludes the use of much of the existing area due to the increased size and parking requirements of the KC-135 aircraft. A hydrant refueling system does not exist. The taxiway is not wide enough or strong enough to support the much heavier aircraft. In the interim, the aircraft will be parked on the opposite side of the runway on the airport authority ramp. There is no support on the commercial side. This will require refueler trucks to transit from the fuel storage area to the far side of the field creating the potential for accidents and/or fuel spills. This will also interfere with civilian operations on the far side of the field. It will cause the maintenance functions to transit from their facilities to perform tests, repairs and maintenance remote from the normal work areas. IMPACT IF NOT PROVIDED: Unable to properly beddown the KC-135. Potential for environmental problems due to long hauls of fuel. Delayed maintenance					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
BIRMINGHAM MUNICIPAL AIRPORT (ANG) ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
AIRCRAFT PARKING APRON AND HYDRANT REFUELING SYSTEM	BRKR919601	
and repairs due to remote work areas. Safety problems working in temporary areas and from increased vehicle traffic to remote areas of airfield. Possible interference with civilian operations. Unable to reach full operational capability. ADDITIONAL: A life cycle economic analysis has been performed comparing all reasonable options for accomplishing this project. The analysis indicates the new construction is the most economical alternative and no other options exist.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA ANG (computer generated)	2. DATE
3. INSTALLATION AND LOCATION BIRMINGHAM MUNICIPAL AIRPORT (ANG) ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
AIRCRAFT PARKING APRON AND HYDRANT REFUELING SYSTEM	BRKR919601	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	92 JAN 23	
(b) Percent Complete as of Jan 94	35%	
(c) Date 35% Designed	93 DEC 01	
(d) Date Design Complete	94 JUN 15	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	550	
(b) All Other Design Costs	253	
(c) Total	803	
(d) Contract	803	
(e) In-house		
(4) Construction Start	95 JUN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION BIRMINGHAM AIRPORT (ANG) ALABAMA			4. PROJECT TITLE COMMUNICATIONS FACILITY		
5. PROGRAM ELEMENT 55296F		6. CATEGORY CODE 131-111		7. PROJECT NUMBER BRKR001536	
				8. PROJECT COST(\$000) \$1.700	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
COMMUNICATIONS FACILITY		SF	8,000	130	1,040
SUPPORTING FACILITIES					490
UTILITIES		LS			(75)
PAVEMENTS		LS			(50)
SITE IMPROVEMENTS		LS			(20)
PRE-WIRED WORK STATIONS		LS			(65)
DEMOLITION/ASBESTOS REMOVAL		LS			(30)
ALTER MISCELLANEOUS BUILDINGS		LS			(250)
SUBTOTAL					1,530
CONTINGENCY (5%)					77
TOTAL CONTRACT COST					1,607
SUPERVISION, INSPECTION AND OVERHEAD (5%)					80
TOTAL REQUEST					1,687
TOTAL REQUEST (ROUNDED)					1,700
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, masonry walls, concrete floor, built-up roof, tile flooring, gypsum ceilings, lighting, heating, cooling, and secure areas. Demolish Building 301 (2,250 SF). Another 4 existing buildings will be altered to support other base functions. <u>Air Conditioning: 20 Tons.</u>					
11. REQUIREMENT: 8,000 SF ADEQUATE: 0 SUBSTANDARD: 5,429 SF <u>PROJECT:</u> Communications Facility (New Mission). <u>REQUIREMENT:</u> This project supports the conversion from 18 RF-4C to 10 KC-135 in 1995. The base requires Secure AUTODIN and vault, telephone switching, data automation center, equipment maintenance area, and office space for supervision and customer service. <u>CURRENT SITUATION:</u> The communications center is housed in a crowded portion of the operations and training facility. The communications function is 67% short of space. The space shortage has become acute by the conversion to the KC-135. Now there is a need for more secure communication space. The communications functions are spread out in four separate buildings. The space in the operations and training facility cannot be expanded without displacing other functions. The operations and training functions need to remain as they are related. Space within the other buildings creates an inadequate situation. All functions need to be consolidated and expanded such that effective command and control can be maintained. The communication facility does not present a quality work place. There is insufficient storage space. Command, control and supervision are poor. One building, a 1942 vintage facility, will be demolished. <u>IMPACT IF NOT PROVIDED:</u> Lack of centralized information systems					

1. COMPONENT ANG	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION BIRMINGHAM AIRPORT (ANG) ALABAMA		
4. PROJECT TITLE COMMUNICATIONS FACILITY		5. PROJECT NUMBER BRKR001536
operation, confused storage, and ineffective communications operations, will continue to have a detrimental effect on the entire base. Lost training opportunities. Ineffective command and control. Unable to reach full operational capability.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
BIRMINGHAM AIRPORT (ANG) ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
COMMUNICATIONS FACILITY	BRKR001536	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 SEP 19	
(b) Percent Complete as of Jan 94	65%	
(c) Date 35% Designed	93 AUG 15	
(d) Date Design Complete	94 MAY 01	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	80	
(b) All Other Design Costs	45	
(c) Total	125	
(d) Contract	125	
(e) In-house		
(4) Construction Start	95 APR	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION BIRMINGHAM MUNICIPAL AIRPORT (ANG) ALABAMA		4. PROJECT TITLE ADD TO AND ALTER SQUADRON OPERATIONS FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
55296F	141-753	BRKR929503	\$1.100	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ADD/ALTER SQUADRON OPERATIONS FACILITY	SF	24,000		793
ADD SECURE VAULT	SF	400	330	(132)
ALTER SQUADRON OPERATIONS	SF	23,600	28	(661)
SUPPORTING FACILITIES				165
UTILITIES	LS			(30)
PAVEMENTS	LS			(10)
SITE IMPROVEMENTS	LS			(5)
PRE-WIRED WORK STATIONS	LS			(120)
SUBTOTAL				958
CONTINGENCY (10%)				96
TOTAL CONTRACT COST				1,054
SUPERVISION, INSPECTION AND OVERHEAD (5%)				53
TOTAL REQUEST				1,107
TOTAL REQUEST (ROUNDED)				1,100
10. Description of Proposed Construction: Addition: Reinforced concrete foundation and floor slab, masonry walls, steel structure, metal pan roof, and roofing membrane. Alteration: Relocate walls and utilities. Exterior of building to match existing. Provide utilities, pavements and site improvements. Provide systems furniture. Air Conditioning: 5 Tons.				
11. REQUIREMENT: 24,000 SF ADEQUATE: 0 SUBSTANDARD: 23,600 SF PROJECT: Add to and Alter Squadron Operations Facility (New Mission). REQUIREMENT: This project supports the conversion from 18 RF-4C aircraft to 10 KC-135 aircraft in 1995. An adequately sized and properly configured squadron operations facility is required for aircrew members, flight planning and management, operations office, contingency operations, combat crew navigators, boom operators, and training. CURRENT SITUATION: The squadron operations building is configured to support RF-4C aircraft. It does not have a vault and classified information cannot be stored in the building. It is not configured for the KC-135 mission which is much different than the existing mission. The building requires interior reconfiguration since some rooms are too small while others are too large to meet the needs of the new functions. Provisions for classified briefings are not adequate. There are no rooms for navigators and boom operators. IMPACT IF NOT PROVIDED: The mission cannot be accomplished without violating the security of classified plans. Unable to reach full operational capability. Severely crowded space impact negatively on training and readiness. Inefficient operations. Loss of training opportunities.				

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
BIRMINGHAM MUNICIPAL AIRPORT (ANG) ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
ADD TO AND ALTER SQUADRON OPERATIONS FACILITY	BRKR929503	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 DEC 17	
(b) Percent Complete as of Jan 94	95%	
(c) Date 35% Designed	93 JUN 01	
(d) Date Design Complete	94 APR 01	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)	
(a) Production of Plans and Specifications	43	
(b) All Other Design Costs	29	
(c) Total	72	
(d) Contract	72	
(e) In-house		
(4) Construction Start	95 AUG	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION BIRMINGHAM MUNICIPAL AIRPORT (ANG) ALABAMA			4. PROJECT TITLE UPGRADE DRAINAGE SYSTEM		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 871-183	7. PROJECT NUMBER BRKR929882	8. PROJECT COST(\$000) \$2,500		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE DRAINAGE SYSTEM	LS			1,800	
SUPPORTING FACILITIES				350	
UTILITIES	LS			(100)	
PAVEMENTS	LS			(50)	
SITE IMPROVEMENTS	LS			(200)	
SUBTOTAL				2,150	
CONTINGENCY (10%)				215	
TOTAL CONTRACT COST				2,365	
SUPERVISION, INSPECTION AND OVERHEAD (5%)				118	
TOTAL REQUEST				2,483	
TOTAL REQUEST (ROUNDED)				2,500	
10. Description of Proposed Construction: Upgrade concrete storm drain culvert. Construct a series of flood control ponds and piping to contain, divert, and meter storm water. Extend and relocate utilities and make site improvements.					
11. REQUIREMENT: As required. PROJECT: Upgrade Drainage System (Current Mission). REQUIREMENT: This is a level II environmental compliance project. A properly sized and environmentally correct controlled storm water containment and disposal system is required to prevent the flooding of the base facilities, including the aircraft apron, and the pollution of the base and the adjacent canals that could happen during a flood. CURRENT SITUATION: The storm water collection system was constructed prior to World War II and has deteriorated beyond repair. The concrete culvert structures have spalled to the extent that the reinforcing rods are exposed. This accelerates the deterioration and leads to a rapid loss of strength in the concrete structures. Some of the concrete structures are braced with wood timbers to prevent collapse. Storm water retention/flood control ponds and storm water pipes are not correctly sized due to increased development over the years which has resulted in increased runoff. Oil/water separators are being bypassed due to excessive flows resulting in environmental problems. The larger aircraft parking ramp, that will be constructed to support the conversion from RF-4C to KC-135 aircraft will result in a much larger storm water flow that will further overtax the existing storm water control system. Should a 100 year flood occur, the large majority of the base flight line areas would be under water. IMPACT IF NOT PROVIDED: Flooding of facilities will become more frequent.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
BIRMINGHAM MUNICIPAL AIRPORT (ANG) ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE DRAINAGE SYSTEM	BRKR929882	
Environmental statutes will be violated. Deteriorated system will continue to fail at a more frequent rate causing disruption of unit operations and training. The flight line will be shut down. <u>ADDITIONAL</u>: A life cycle economic analysis has been performed comparing all reasonable options for accomplishing this project. The analysis indicates the renovation is the most economical alternative.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
BIRMINGHAM MUNICIPAL AIRPORT (ANG) ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE DRAINAGE SYSTEM	BRKR929882	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JAN 22	
(b) Percent Complete as of Jan 94	65%	
(c) Date 35% Designed	93 JUN 15	
(d) Date Design Complete	94 JUL 01	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	110	
(b) All Other Design Costs	50	
(c) Total	160	
(d) Contract	160	
(e) In-house		
(4) Construction Start	95 MAY	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION DANNELLY FIELD AIR NATIONAL GUARD, ALABAMA			4. AREA CONSTR COST INDEX 0.79	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Active AFB, 1 Marine Reserve, 1 Naval Reserve, 3 Army Reserves, 5 Army National Guard Units and 2 Air National Guard Units				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START CMPL
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS	700	NOV 91 APR 93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
9. LAND ACQUISITION REQUIRED			None (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	
171-445	OPERATIONS AND TRAINING FACILITY	20,000 SF	3,900	
171-450	COMPOSITE MEDICAL TRAINING FACILITY	24,800 SF	2,050	
216-642	MUNITIONS MAINTENANCE AND STORAGE COMPLEX	17,900 SF	4,500	
442-758	UPGRADE SUPPLY AND CIVIL ENGINEER FACILITY	63,800 SF	2,700	
610-287	ANG STATE HEADQUARTERS	3,900 SF	700	
730-142	FIRE STATION	9,100 SF	1,600	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE		
3. INSTALLATION AND LOCATION DANNELLY FIELD AIR NATIONAL GUARD, ALABAMA							
11. PERSONNEL STRENGTH AS OF 7 OCT 93							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	282	8	43	231	1,042	98	944
ACTUAL	272	7	42	223	1,022	107	915
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>		<u>STRENGTH</u>				
			<u>AUTHORIZED</u>	<u>ACTUAL</u>			
	160	FS SQ	50	53			
	187	MSS SQ	80	74			
	187	CLINIC	31	32			
	187	GP HQ	57	58			
	187	CAM	462	405			
	187	CE SQ	127	114			
	187	WSSF	57	58			
	187	RMS	121	115			
	187	COM FT	20	20			
	187	MSS	37	36			
	187	STU FT	0	57			
	TOTALS		1,042	1,022			
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	F-16 Aircraft	18	20				
	Support Equipment	194	225				
	Vehicle Equivalents	120	120				

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION DANNELLY FIELD AIR NATIONAL GUARD ALABAMA			4. PROJECT TITLE REPLACE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER FAKZ909617	8. PROJECT COST(\$000) \$700		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE UNDERGROUND FUEL STORAGE TANKS		LS			475
SUPPORTING FACILITIES					130
UTILITIES		LS			(10)
PAVEMENTS		LS			(10)
SITE RESTORATION		LS			(110)
SUBTOTAL					605
CONTINGENCY (10%)					61
TOTAL CONTRACT COST					666
SUPERVISION, INSPECTION AND OVERHEAD (5%)					33
TOTAL REQUEST					699
TOTAL REQUEST (ROUNDED)					700
10. Description of Proposed Construction: Replace 17 tanks (including 4 at Hall Air National Guard Station) and remove only 9 others. Excavate and remove the tanks. Disposal of the tanks, tank residue, and the contaminated soil. Restore the sites.					
11. REQUIREMENT: As required. PROJECT: Replace Underground Fuel Storage Tanks (UST) (Current Mission). REQUIREMENT: This is a level II environmental compliance project. Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Federal Environmental Protection Agency (EPA) has set standards that require that all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible. CURRENT SITUATION: The tanks have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the bases are subject to Notice of Violations by the Federal and/or State EPA. IMPACT IF NOT PROVIDED: Non-compliance with Statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage has the potential to contaminate the soil and aquifer. The ANG training could be curtailed and the ANG could receive unfavorable publicity.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
DANNELLY FIELD AIR NATIONAL GUARD ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	FAKZ909617	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 NOV 08	
(b) Percent Complete as of Jan 94	100%	
(c) Date 35% Designed	92 SEP 01	
(d) Date Design Complete	93 APR 22	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	40	
(b) All Other Design Costs	25	
(c) Total	65	
(d) Contract	65	
(e) In-house		
(4) Construction Start	95 APR	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE
3. INSTALLATION AND LOCATION FT SMITH MUNICIPAL AIRPORT ANG, ARKANSAS			4. AREA CONSTR COST INDEX 0.96
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 2 Army National Guard Armories, 1 Army Reserve and 1 Naval Reserve Center			
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995			
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000) DESIGN STATUS START CMPL
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS	440 NOV 91 MAY 93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved <u>21 OCT 93</u> (Date)			
9. LAND ACQUISITION REQUIRED		None	(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS			
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)
216-642	MUNITIONS MAINTENANCE AND STORAGE COMPLEX	18,100 SF	2,000

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION					2. DATE		
3. INSTALLATION AND LOCATION FT SMITH MUNICIPAL AIRPORT ANG, ARKANSAS								
11. PERSONNEL STRENGTH AS OF 30 JUN 93								
	PERMANENT				GUARD/RESERVE			
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	
AUTHORIZED	277	7	46	224	1,065	108	957	
ACTUAL	272	7	46	219	1,027	112	915	
12. RESERVE UNIT DATA								
				<u>STRENGTH</u>				
<u>UNIT DESIGNATION</u>				<u>AUTHORIZED</u>	<u>ACTUAL</u>			
188	SVF			25	23			
184	FS			49	54			
188	MSS			45	41			
188	CAMS			460	432			
188	FG			59	58			
188	CL			69	69			
188	MSF			38	40			
188	CES			136	124			
188	SPF			57	60			
188	DET1			8	8			
188	RMS			119	118			
TOTALS				1,065	1,027			
13. MAJOR EQUIPMENT AND AIRCRAFT								
<u>TYPE</u>				<u>AUTHORIZED</u>	<u>ASSIGNED</u>			
F-16 A/B Aircraft				18	21			
C-12 Aircraft				1	1			
Support Equipment				121	112			
Vehicle Equivalents				252	270			

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION FT SMITH MUNICIPAL AIRPORT ANG ARKANSAS			4. PROJECT TITLE REPLACE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 56256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER HKRZ909635	8. PROJECT COST(\$000) \$440		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE UNDERGROUND FUEL STORAGE TANKS		LS			320
SUPPORTING FACILITIES					64
UTILITIES		LS			(8)
PAVEMENTS		LS			(8)
SITE RESTORATION		LS			(48)
SUBTOTAL					384
CONTINGENCY (10%)				-	38
TOTAL CONTRACT COST					422
SUPERVISION, INSPECTION AND OVERHEAD (5%)					21
TOTAL REQUEST					443
TOTAL REQUEST (ROUNDED)					440
10. Description of Proposed Construction: Replace 8 tanks and remove one only. Excavate and remove the tanks. Dispose of the tanks, tank residue, and the contaminated soil. Restore the sites.					
11. REQUIREMENT: As required. PROJECT: Replace Underground Fuel Storage Tanks (UST) (Current Mission). REQUIREMENT: This is a level II environmental compliance project. Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Federal Environmental Protection Agency (EPA) has set standards that require that all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible. CURRENT SITUATION: The USTs at this base have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the base is subject to notice of violation by the Federal and/or State EPA. IMPACT IF NOT PROVIDED: Non-compliance with Statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage could have the potential to contaminate the soil and aquifer. The ANG training could be curtailed and the ANG could receive unfavorable publicity.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
FT SMITH MUNICIPAL AIRPORT ANG ARKANSAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	HKRZ909635	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 NOV 08	
(b) Percent Complete as of Jan 94	100%	
(c) Date 35% Designed	93 JAN 29	
(d) Date Design Complete	93 MAY 01	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	22	
(b) All Other Design Costs	8	
(c) Total	30	
(d) Contract	30	
(e) In-house		
(4) Construction Start	95 MAY	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION FRESNO AIR TERMINAL (ANG), CALIFORNIA			4. AREA CONSTR COST INDEX 1.21	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily and night use by technician/AGR force for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 3 Army National Guard, 1 Army Reserve, 1 Naval Reserve Center, 1 Marine Corp Reserve and 1 Coast Guard Reserve.				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY			COST	DESIGN STATUS
CODE	PROJECT TITLE	SCOPE	(\$000)	START Cmpl
851-147	SITE RESTORATION	LS	3,500	MAR 92 MAR 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved <u>20 APR 93</u> (Date)				
9. LAND ACQUISITION REQUIRED		None	(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY			COST	
CODE	PROJECT TITLE	SCOPE	(\$000)	
124-135	JET FUEL STORAGE COMPLEX	LS	4,150	
171-445	COMPOSITE SUPPORT FACILITY	30,100 SF	5,500	
442-758	BASE SUPPLY COMPLEX	58,500 SF	5,600	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE		
3. INSTALLATION AND LOCATION FRESNO AIR TERMINAL (ANG), CALIFORNIA							
11. PERSONNEL STRENGTH AS OF 30 JUN 93							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	380	5	68	307	1,042	110	932
ACTUAL	358	5	68	285	1,010	98	912
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>					
		<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	144 CEG SQ	136	132				
	144 CLI CI	55	51				
	144 CLM SQ	408	385				
	144 FIN WG	66	66				
	144 MSQ FT	41	41				
	144 MSQ SQ	45	48				
	144 RMS SQ	120	121				
	144 SEP FT	85	82				
	194 FIN SQ	43	42				
	144 DET 01	18	17				
	144 SVS FT	25	25				
	TOTALS	1,042	1,010				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	F-16 Aircraft	18	20				
	C-131 Aircraft	1	2				
	Support Equipment	128	121				
	Vehicle Equivalents	237	237				

1. COMPONENT ANG	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION FRESNO AIR TERMINAL (ANG) CALIFORNIA		4. PROJECT TITLE SITE RESTORATION		
5. PROGRAM ELEMENT 56256F	6. CATEGORY CODE 851-147	7. PROJECT NUMBER HAYW000581	8. PROJECT COST(\$000) \$3,500	

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
SITE RESTORATION	LS			1,800
DRAINAGE SYSTEM	LS			(750)
SEWAGE SYSTEM	LS			(750)
WATER SYSTEM	LS			(300)
SUPPORTING FACILITIES				1,250
UTILITIES	LS			(400)
SITE IMPROVEMENTS	LS			(300)
PAVEMENTS	LS			(450)
DEMOLITION	LS			(100)
SUBTOTAL				3,050
CONTINGENCY (10%)				305
TOTAL CONTRACT COST				3,355
SUPERVISION, INSPECTION AND OVERHEAD (5%)				168
TOTAL REQUEST				3,523
TOTAL REQUEST (ROUNDED)				3,500

10. Description of Proposed Construction: Replace sewage trunk line and laterals to buildings and extend system toward proposed construction. Connect water system to city water. Alter drainage system and provide four oil/water separators and integrate the system with airport drainage system. Provide new pavements, site improvements, utilities, and demolition. Remove four oil/water separators and alter water well.

11. REQUIREMENT: As required.

PROJECT: Site Restoration (Current Mission).

REQUIREMENT: This is a level II environmental compliance project. Base requires infrastructure systems that will serve the existing base and provide for future relocation and do not endanger the environment nor the base and local population. A sewage system that is properly sized and does not pollute; a domestic water system that is not dependent on a water well that has recently been capped because of a plume of off base pollution; a drainage system that properly collects and treats storm water and is integrated with the airport system are also required.

CURRENT SITUATION: The modernization of the base through construction guided by the Master Plan forces the relocation and displacement of several operational and environmental facilities and systems. Coupled with the systems age, new environmental regulations and local conditions, the existing drainage, sewage and water systems are inadequate, undersized and in danger of polluting the local environment and endangering the health of the base personnel. The systems are approximately 40 years old and in constant need of repair due to deterioration of the laterals and trunk line settlement. Leaks have been kept to a minimum but a major leak could happen at any time in this earthquake prone area. The water system is based on a well and an emergency city connection. A plume of

1. COMPONENT ANG	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION FRESNO AIR TERMINAL (ANG) CALIFORNIA		
4. PROJECT TITLE SITE RESTORATION		5. PROJECT NUMBER HAYW000581
underground pollution has reached the well from airport property. Contamination of the well has now put an unacceptable demand on the city connection. Both systems are inadequate in size and need to be expanded to meet the requirements of construction envisioned by the Master Plan. The drainage system collects storm water and processes some of it through oil/water separators; these do not meet current regulations. The existing drainage has storm water retention basins. One such basin is in the path of Master Plan directed construction and must be relocated. The entire drainage system must be designed and incorporated into the total airport system. Utilities and pavements must be removed and replaced to accommodate the environmental systems and site restoration. <u>IMPACT IF NOT PROVIDED:</u> Environmental systems in need of repair will fail and leak causing soil contamination, water pollution and health hazards. Master Plan of base through the short and long term will not be possible. Mission of unit is affected. Possible shut down of the base water system. Violation of State and Federal EPA regulations. The ANG could receive adverse publicity. <u>ADDITIONAL:</u> An exception to the economic analysis requirement has been prepared. It presents the rationale for only one alternative which is to rehabilitate the infrastructure in one project rather than the piecemeal upgrade in multiple projects.		

1. COMPONENT ANG	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION FRESNO AIR TERMINAL (ANG) CALIFORNIA		
4. PROJECT TITLE SITE RESTORATION		5. PROJECT NUMBER HAYW000581
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		92 MAR 04
(b) Percent Complete as of Jan 94		95%
(c) Date 35% Designed		93 APR 15
(d) Date Design Complete		94 MAR 15
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		190
(b) All Other Design Costs		100
(c) Total		290
(d) Contract		290
(e) In-house		
(4) Construction Start		95 MAY
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE	
3. INSTALLATION AND LOCATION MOFFETT FLD ANG CALIFORNIA				4. AREA CONSTR COST INDEX 1.19	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air Force Base, 9 Army National Guard Units, 2 Army Reserve Centers, 2 Navy/Marine Reserve Centers					
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START CPL	
214-425	ALTER VEHICLE MAINTENANCE FACILITY	12,300 SF	400	JUN 93	JUL 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved <u>20 APR 93</u> (Date)					
9. LAND ACQUISITION REQUIRED		None	(Number of Acres)		
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)		
211-111	COMPOSITE MAINTENANCE HANGAR	62,000 SF	12,000		
211-179	FUEL CELL AND CORROSION CONTROL FACILITY	20,800 SF	4,450		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION						2. DATE
3. INSTALLATION AND LOCATION MOFFETT FLD ANG CALIFORNIA							
11. PERSONNEL STRENGTH AS OF 30 SEP 93							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	256	22	219	15	806	116	690
ACTUAL	247	26	212	9	793	109	684
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>			<u>STRENGTH</u>			
				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
	129	RES GP		60	59		
	129	RES SQ		116	118		
	129	CAM SQ		187	180		
	129	MSS SQ		68	69		
	129	MSS FT		34	37		
	129	RMS SQ		120	118		
	129	CES SQ		100	102		
	129	SVS FT		30	22		
	129	TAC HP		50	48		
	561	AFBAND		36	35		
	DL	NTHIGH		5	5		
	TOTALS			806	793		
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>			<u>AUTHORIZED</u>	<u>ASSIGNED</u>		
	MH-60G			5	5		
	HC-130P			4	4		
	Support Equipment			98	111		
	Vehicle Equivalents			230	225		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION NORTH HIGHLANDS ANG STATION CALIFORNIA			4. AREA CONSTR COST INDEX 1.19	
5. FREQUENCY AND TYPE OF UTILIZATION Four unit training assemblies per month, 15 days annual training per year, daily use by technician force and training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS McClellan AFBm 1 mile; Air Force Reserve, 1unit; Army Reserve, 7 units; Army National Guard, 4 units; Marine Reserve, 1 unit; Coast Guard, 1 unit.				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START CMPL
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS	400	MAY 93 JUL 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
				20 APR 93 (Date)
9. LAND ACQUISITION REQUIRED		None	(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE		
3. INSTALLATION AND LOCATION NORTH HIGHLANDS ANG STATION CALIFORNIA							
11. PERSONNEL STRENGTH AS OF 30 SEP 93							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	38	7	29	2	224	27	197
ACTUAL	34	7	25	2	231	25	206
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>			<u>STRENGTH</u>			
				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
	149	CC	SQ	160	168		
	162	CC	GP	<u>64</u>	<u>63</u>		
	TOTALS			224	231		
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>			<u>AUTHORIZED</u>	<u>ASSIGNED</u>		
	Support Equipment			42	42		
	Vehicle Equivalents			145	145		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION BUCKLEY AIR NATIONAL GUARD BASE, COLORADO		4. AREA CONSTR COST INDEX 0.97
5. FREQUENCY AND TYPE OF UTILIZATION Normal tenant organization admin 5 days/week; Weekend unit tng assemblies 2/3 day weekends one weekend/month tenant organization; 1 evening/week "Open House", physical fitness and administration for each tenant organ; Band practice 1 day/month, schedules ensembles practice one day/week.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 400 Person Armory, Aurora, 3 Miles; Fitzsimmons, Denver, 6 Miles; Navy (Navy, Marines, Coast Guard) Reserve Center, Aurora, 1/2 Mile; 4 ARNG Armories, Army Aviation Support Facility, Organization Maintenance Facility, USAR Armories, Denver, 4 and 6 Miles.		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995		
CATEGORY CODE	PROJECT TITLE	SCOPE
116-672	AIRCRAFT WASH AND DEICING APRON	1,200 SY
211-179	ADD TO AND ALTER FUEL SYSTEMS MAINTENANCE FACILITY	17,000 SF
		COST (\$000)
		400
		1,300
		DESIGN STATUS START
		MAR 93
		SEP 91
		CMPLE JUL 94
		DEC 93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved		
13 JAN 93 (Date)		
9. LAND ACQUISITION REQUIRED		None
(Number of Acres)		
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY CODE	PROJECT TITLE	SCOPE
131-111	ADD TO AND ALTER COMMUNICATION FACILITY	11,200 SF
216-642	MUNITIONS MAINTENANCE AND STORAGE COMPLEX	LS
219-943	BASE ENGINEER PAVEMENTS AND GROUNDS FACILITY	3,400 SF
821-115	URGRADE HEATING SYSTEMS	LS
851-147	UPGRADE BASE INFRASTRUCTURE	LS
		COST (\$000)
		780
		4,750
		550
		950
		12,000

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION						2. DATE
3. INSTALLATION AND LOCATION BUCKLEY AIR NATIONAL GUARD BASE, COLORADO							
11. PERSONNEL STRENGTH AS OF 9 JAN 93							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	703	58	386	259	1,695	242	1,453
ACTUAL	695	58	385	252	1,588	229	1,359
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>		<u>STRENGTH</u>				
			<u>AUTHORIZED</u>	<u>ACTUAL</u>			
	240	CEF FT	39	39			
	140	RMS SQ	120	115			
	140	FW DET	14	13			
	140	MSS FT	35	36			
	120	FTS SQ	56	58			
	140	SVS FT	34	32			
	140	TAC HP	73	65			
	140	MSS SQ	46	44			
	140	CAM MT	547	492			
	140	FTW WG	56	57			
	140	COM FT	21	22			
	120	WEA FT	20	20			
	140	CES SQ	124	111			
	154	ACG GP	131	127			
	227	ATC FT	64	56			
	138	ACS SQ	121	112			
	140	SP FT	57	58			
	200	AS	105	100			
	HQ	CO ANG	32	31			
	TOTALS		1,695	1,588			
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	F-16 Aircraft	24	25				
	T-43A Aircraft	4	4				
	Support Equipment	292	290				
	Vehicle Equivalents	617	633				

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
ANG					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
BUCKLEY AIR NATIONAL GUARD BASE COLORADO			ADD TO AND ALTER FUEL SYSTEMS MAINTENANCE FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55256F	211-179	CRWU909730	\$1,300		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
ADD/ALTER FUEL & CORROSION CONTROL	SF	17,000		880	
ALTER FACILITY	SF	11,000	20	(220)	
ADD TO FACILITY	SF	6,000	110	(660)	
SUPPORTING FACILITIES				285	
UTILITIES	LS			(50)	
PAVEMENTS	LS			(50)	
SITE IMPROVEMENTS	LS			(10)	
FIRE SUPPRESSION SYSTEM	LS			(175)	
SUBTOTAL				1,165	
CONTINGENCY (5%)				58	
TOTAL CONTRACT COST				1,223	
SUPERVISION, INSPECTION AND OVERHEAD (5%)				61	
TOTAL REQUEST				1,284	
TOTAL REQUEST (ROUNDED)				1,300	
10. Description of Proposed Construction: Addition: Reinforced concrete footings/floor slab, structural steel framing system, concrete walls and insulated metal roof system. Alteration: Alter interior floor plan, upgrade utilities and ventilation system and drainage system. Provide exterior utilities, pavements and support.					
Air Conditioning: 20 Tons.					
11. REQUIREMENT: 17,000 SF ADEQUATE: 0 SUBSTANDARD: 11,000 SF PROJECT: Add to and Alter Fuel Systems Maintenance Facility (Current Mission).					
REQUIREMENT: This is a level II environmental compliance project. The base requires an environmentally safe fuel cell and corrosion control hangar for the training of personnel and the day to day operational requirements of the assigned F-16 aircraft. The facility must be properly sized with the proper environmental controls, safety features, and the correct ventilation system. Safety features including explosion proof fixtures and fire detection/suppression systems are required. Environmental systems including an environmentally safe exhaust system and an oil/water separator are required to prevent air, soil and water pollution.					
CURRENT SITUATION: The existing facility has only one bay. Two bays are required, one for fuel cell maintenance and repair, and one for corrosion control. The existing facility does not have the proper environmental and safety controls required of a fuel cell dock and is not large enough to accommodate fuel cell and corrosion control functions. The building requires an addition and the upgrade of the interior utilities and fire protection/suppression systems. The heating and ventilation is inadequate. The addition will allow proper phasing of both fuel cell and					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
BUCKLEY AIR NATIONAL GUARD BASE COLORADO		
4. PROJECT TITLE		5. PROJECT NUMBER
ADD TO AND ALTER FUEL SYSTEMS MAINTENANCE FACILITY		CRWU909730
corrosion control work. Ventilation and oil/water separators require upgrading for compliance with current standards. With the existing facility a possible fuel spill could contaminate the ground and the water. Washing cannot be done inside. <u>IMPACT IF NOT PROVIDED:</u> The training is adversely affected and the day to day operations of the fuel cell repair and corrosion control functions are hampered. Missions are delayed. The potential of environmental pollution of the air, soil and water is present. The chance of violation of Federal and State environmental/health laws increase. Unable to achieve full operational capability.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
BUCKLEY AIR NATIONAL GUARD BASE COLORADO		
4. PROJECT TITLE	5. PROJECT NUMBER	
ADD TO AND ALTER FUEL SYSTEMS MAINTENANCE FACILITY	CRWU909730	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 SEP 18	
(b) Percent Complete as of Jan 94	100%	
(c) Date 35% Designed	93 APR 01	
(d) Date Design Complete	93 DEC 15	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	55	
(b) All Other Design Costs	34	
(c) Total	89	
(d) Contract	89	
(e) In-house		
(4) Construction Start	95 MAY	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE			4. AREA CONSTR COST INDEX 0.81	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air Force Reserve Facility, 2 Army National Guard Armories, 1 Army Reserve Facility, 1 Navy/Marine Reserve Facility				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START CMPL
121-122	B-1 CONSOLIDATED AIRCRAFT SUPPORT AND HYDRANT SYSTEMS	LS	9,400	SEP 93 JUN 94
211-111	ALTER B-1 MAINTENANCE HANGAR AND SHOPS	31,000 SF	2,950	SEP 93 AUG 94
211-111	B-1 HANGAR COMPLEX	46,500 SF	8,400	SEP 93 JUL 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				2 DEC 92 (Date)
9. LAND ACQUISITION REQUIRED		None (Number of Acres)		
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	
131-111	B-1 COMMUNICATIONS TRAINING AND AUDIO VISUAL FACILITY	10,400 SF	1,850	
141-753	B-1 SQUADRON OPERATIONS FACILITY	41,600 SF	6,500	
171-445	B-1 OPERATIONS AND TRAINING FACILITY	23,000 SF	4,100	
211-152	B-1 AIRCRAFT MAINTENANCE SHOPS	75,200 SF	14,000	
211-183	B-1 POWER CHECK PAD WITH SOUND SUPPRESSOR	LS	900	
214-425	VEHICLE MAINTENANCE COMPLEX	12,800 SF	1,550	
217-712	B-1 AVIONICS SHOP	32,000 SF	5,800	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION						2. DATE
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE							
11. PERSONNEL STRENGTH AS OF 15 JUN 93							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	345	24	319	2	1,211	114	1,097
ACTUAL	332	23	307	2	1,184	1,184	0
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>					
		<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	116 CEG SQ	100	102				
	116 CLM SQ	577	554				
	116 CMN FT	42	41				
	116 MSS FT	30	30				
	116 MSS SQ	45	48				
	116 RMS SQ	121	124				
	116 TFW HQ	60	58				
	116 TCI CI	51	47				
	116 SEP FT	57	59				
	116 SVS FT	34	32				
	128 TFS SQ	58	55				
	530 BAND	36	34				
	8116 STU FT	0	0				
	TOTALS	1,211	1,184				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	F-15 A/B Aircraft	24	28				
	B-1 Aircraft	10	0				
	Support Equipment	289	255				
	Vehicle Equivalents	234	110				

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION ROBINS AFB GEORGIA			4. PROJECT TITLE B-1 CONSOLIDATED AIRCRAFT SUPPORT AND HYDRANT SYSTEMS		
5. PROGRAM ELEMENT 55296F	6. CATEGORY CODE 121-122	7. PROJECT NUMBER UHHZ939785	8. PROJECT COST(\$000) \$9,400		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
CONSOLIDATED AIRCRAFT SUPPORT SYSTEM AND HYDRANT REFUELING SYSTEM		LS			7,000
SUPPORTING FACILITIES					1,524
POL OPERATIONS		SF	1,200	120	(144)
UTILITIES		LS			(380)
PAVEMENT UPGRADE		LS			(1,000)
SUBTOTAL					8,524
CONTINGENCY (5%)					426
TOTAL CONTRACT COST					8,950
SUPERVISION, INSPECTION AND OVERHEAD (5%)					448
TOTAL REQUEST					9,398
TOTAL REQUEST (ROUNDED)					9,400
10. Description of Proposed Construction: Fuel Hydrant and Consolidated Aircraft Support System (CASS) pits for the apron maintenance as well CASS system in hangar aircraft maintenance. Includes all utilities, pavement, tiedowns, lighting, and support facilities for the CASS and fuel systems.					
11. REQUIREMENT: As required. PROJECT: B-1 CASS and Hydrant Fuel Systems (New Mission). REQUIREMENT: The 116 FW at Dobbins AFB is moving to Robins AFB and converting from F-15 aircraft to B-1 aircraft. During a Joint Site Survey by Robins AFB, ACC, Air Staff, and NGB personnel during August 1993, this project requirement was identified. This project supports the beddown of B-1 Bomber aircraft. The base requires an adequate apron to park, maintain, refuel, and operate the aircraft. The apron must be sized and configured to allow taxiing aircraft, refueling operations, access to maintenance facilities, and parking for the aircraft. Three aircraft will be in hangar facilities. CURRENT SITUATION: The CASS system does not exist. This system provides compressed air, air conditioning and power to the B-1 on the ramp. The CASS is needed each time the aircraft are powered. The apron is of sufficient size and strong enough to support the B-1 weight. IMPACT IF NOT PROVIDED: The ANG will be unable to properly maintain the aircraft. Training opportunities will be lost. They will not be able to fly. ADDITIONAL: Due to operational reasons, an economic analysis has not been accomplished.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
ROBINS AFB GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
B-1 CONSOLIDATED AIRCRAFT SUPPORT AND HYDRANT SYSTEMS	UHHZ939785	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 SEP 20
(b) Percent Complete as of Jan 94		35%
(c) Date 35% Designed		94 JAN 31
(d) Date Design Complete		94 JUN 30
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		400
(b) All Other Design Costs		180
(c) Total		580
(d) Contract		580
(e) In-house		
(4) Construction Start		95 AUG
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
ANG					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ROBINS AFB GEORGIA			ALTER B-1 MAINTENANCE HANGAR AND SHOPS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55296F	211-111	UHHZ939786	\$2,950		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
ALTER B-1 MAINTENANCE HANGAR AND SHOPS		SF	31,000		1,970
ALTER HANGAR		SF	20,000	60	(1,200)
ALTER WEAPONS RELEASE SHOP		SF	11,000	70	(770)
SUPPORTING FACILITIES					570
UTILITIES		LS			(100)
SITE IMPROVEMENTS		LS			(10)
PAVEMENTS		LS			(10)
FIRE SUPPRESSION SYSTEM		LS			(400)
PRE-WIRED WORK STATIONS		LS			(50)
SUBTOTAL					2,540
CONTINGENCY (10%)					254
TOTAL CONTRACT COST					2,794
SUPERVISION, INSPECTION AND OVERHEAD (5%)					140
TOTAL REQUEST					2,934
TOTAL REQUEST (ROUNDED)					2,950
10. Description of Proposed Construction: Alteration of Building 44: Upgrade heating, ventilation and electrical systems. Relocate walls. Provide insulation and corrosion prevention. Includes all utilities, fire protection and necessary support. Remove asbestos. Upgrade latrines.					
11. REQUIREMENT: 31,000 SF ADEQUATE: 0 SUBSTANDARD: 31,000 SF					
PROJECT: Alter B-1 Maintenance Hangar and Shops (New Mission).					
REQUIREMENT: The 116 FW at Dobbins is moving to Robins AFB and converting from F-15 aircraft to B-1 aircraft. During a Joint Site Survey by Robins AFB, ACC, Air Staff, and ANG personnel the project requirements were validated. This project supports the beddown of the B-1 Bomber aircraft. An energy efficient aircraft maintenance shop and control complex is required for aircraft repair, fabrication, calibration, and servicing.					
CURRENT SITUATION: The base has an excess hangar that can be modified and upgraded to support the B-1. The hangar was constructed in 1956. The facility is structurally sound but not properly configured to support the B-1. Some shops are too small while others are too large. The facility does not meet energy standards and must be upgraded to meet DoD goals for energy conservation. The electrical system needs to be upgraded. The heating and ventilation systems also require modification to meet the new shop configuration. The fire suppression system is undersized and is not compatible with the B-1 aircraft configuration.					
IMPACT IF NOT PROVIDED: Unable to properly beddown the aircraft. Unable to properly accomplish maintenance. Without fire suppression, the aircraft are at risk and violate OSHA regulations. Training opportunities will be lost. The aircraft can be parked but not flown.					
ADDITIONAL: Due to operational requirements, an economic analysis was not performed.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
ROBINS AFB GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
ALTER B-1 MAINTENANCE HANGAR AND SHOPS	UHHZ939786	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 SEP 25
(b) Percent Complete as of Jan 94		35%
(c) Date 35% Designed		94 JAN 31
(d) Date Design Complete		94 AUG 01
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		140
(b) All Other Design Costs		55
(c) Total		195
(d) Contract		195
(e) In-house		
(4) Construction Start		95 AUG
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
ANG					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ROBINS AFB GEORGIA			B-1 HANGAR COMPLEX		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55296F	211-111	UHHZ939788	\$8,400		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
B-1 HANGAR COMPLEX		SF	46,500		6,153
HANGAR BAY		SF	23,000	145	(3,335)
WEAPONS SYSTEMS MAINTENANCE		SF	6,000	115	(690)
ORGANIZATIONAL MAINTENANCE		SF	6,000	115	(690)
ENGINE MAINTENANCE AND STORAGE		SF	8,000	125	(1,000)
NON-DESTRUCTIVE INSPECTION SHOP		SF	3,500	125	(438)
SUPPORTING FACILITIES					1,475
UTILITIES/PAVEMENTS/FIRE SUPPRESSION		LS			(1,325)
PRE-WIRED WORK STATIONS		LS			(150)
SUBTOTAL					7,628
CONTINGENCY (5%)					381
TOTAL CONTRACT COST					8,009
SUPERVISION, INSPECTION AND OVERHEAD (5%)					400
TOTAL REQUEST					8,409
TOTAL REQUEST (ROUNDED)					8,400
10. Description of Proposed Construction: Reinforced concrete foundations and floor slab. Structural steel with masonry partitions and roof structure. Mechanical ventilation system, drainage with oil-water separator, fire suppression, equipment storage and all utilities and support.					
Air Conditioning: 40 Tons.					
11. REQUIREMENT: 49,600 SF ADEQUATE: 0 SUBSTANDARD: 0					
PROJECT: B-1 Hangar Complex (New Mission).					
REQUIREMENT: The 116 FW at Dobbins AFB is moving to Robins AFB and converting from F-15 aircraft to B-1 aircraft. During a Joint Site Survey by Robins AFB, ACC, HQ USAF and ANG personnel this project requirement was identified. This project is required for the beddown of the B-1 bomber aircraft. It provides an adequately sized and properly engineered facility for engine maintenance and storage, aircraft maintenance management, survival equipment shop, and general phase/regular aircraft maintenance.					
CURRENT SITUATION: There are no excess facilities available at Robins AFB to satisfy the maintenance space requirements for the B-1 Bomber aircraft.					
IMPACT IF NOT PROVIDED: The ANG will be unable to beddown the aircraft. Training opportunities will be lost. Fuel cell maintenance and corrosion control will have to be performed on the ramp restricted by weather and safety factors, with no environmental controls.					
ADDITIONAL: Due to operational considerations, an economic analysis was not accomplished.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
ROBINS AFB GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
B-1 HANGAR COMPLEX	UHHZ939788	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 SEP 20	
(b) Percent Complete as of Jan 94	35%	
(c) Date 35% Designed	94 JAN 31	
(d) Date Design Complete	94 JUL 15	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	400	
(b) All Other Design Costs	190	
(c) Total	590	
(d) Contract	590	
(e) In-house		
(4) Construction Start	95 AUG	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII			4. AREA CONSTR COST INDEX 1.39	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 2 Army Installations, 1 Army Reserve Facility, 1 Air Force Base, 1 Air National Guard Unit, 2 Naval Installations, 1 Marine Corps Reserve Center, 4 Army National Guard Installations				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START Cmpl
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS	1,000	NOV 91 APR 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
			29 SEP 93 (Date)	
9. LAND ACQUISITION REQUIRED		None		
		(Number of Acres)		
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	
141-753	SQUADRON OPERATIONS FACILITY	12,000 SF	3,200	
219-944	BASE ENGINEER MAINTENANCE COMPLEX	19,700 SF	4,100	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION						2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII							
11. PERSONNEL STRENGTH AS OF 2 JUL 93							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	409	5	52	352	1,485	209	1,276
ACTUAL	370	5	62	303	1,330	175	1,155
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>				<u>STRENGTH</u>			
				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
HQ	HI ANG			30	29		
154	SVS			34	32		
154	ACW			66	61		
154	MSS			45	46		
154	GP			64	58		
154	CAMS			587	525		
154	TAC HP			83	68		
154	CES			100	85		
154	SPF			41	38		
154	RMS			133	132		
154	MSF			33	29		
199	FS			76	71		
203	ARS			193	156		
TOTALS				1,485	1,330		
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>		<u>AUTHORIZED</u>		<u>ASSIGNED</u>			
F-15C Aircraft		24		26			
C-130H Aircraft		1		1			
KC-135R Aircraft		4		0			
Support Equipment		280		260			
Vehicle Equivalents		138		138			

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION HICKAM AFB HAWAII			4. PROJECT TITLE REPLACE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER KNMD909620	8. PROJECT COST(\$000) \$1,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE UNDERGROUND FUEL STORAGE TANKS		LS			700
SUPPORTING FACILITIES					165
UTILITIES		LS			(45)
PAVEMENTS		LS			(20)
SITE RESTORATION		LS			(100)
SUBTOTAL					865
CONTINGENCY (10%)					87
TOTAL CONTRACT COST					952
SUPERVISION, INSPECTION AND OVERHEAD (5%)					48
TOTAL REQUEST					1,000
TOTAL REQUEST (ROUNDED)					1,000
10. Description of Proposed Construction: Replace 12 tanks in the Hawaiian islands. Excavate and remove the tanks. Dispose of the tanks, tank residue and contaminated soil. Restore the sites.					
11. REQUIREMENT: As required. PROJECT: Replace Underground Fuel Storage Tanks (UST) (Current Mission). REQUIREMENT: This is a level II environmental compliance project. Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Federal Environmental Protection Agency (EPA) has set standards that require that all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible. CURRENT SITUATION: The USTs have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the base is subject to Notice of Violations by the Federal and/or State EPA. IMPACT IF NOT PROVIDED: Non-compliance with Statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage has the potential to contaminate the soil and aquifer. The ANG training could be curtailed and the ANG could receive unfavorable publicity.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
HICKAM AFB HAWAII		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	KNMD909620	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 NOV 08	
(b) Percent Complete as of Jan 94	65%	
(c) Date 35% Designed	93 JUN 15	
(d) Date Design Complete	94 APR 15	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	36	
(b) All Other Design Costs	15	
(c) Total	51	
(d) Contract	51	
(e) In-house		
(4) Construction Start	95 JUN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION BOISE AIR TERMINAL (GOWEN FIELD), IDAHO			4. AREA CONSTR COST INDEX 1.03	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Army National Guard Facility, 1 Army Reserve Facility, 1 U. S. Signal Detachment, 1 Army Research Institute and 1 Navy/Marine Corp Reserve				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY			COST	DESIGN STATUS
CODE	PROJECT TITLE	SCOPE	(\$000)	START CMPL
871-183	UPGRADE BASE DRAINAGE	LS	380	JUL 93 JUL 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved <u>6 APR 93</u> (Date)				
9. LAND ACQUISITION REQUIRED		None	(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY			COST	
CODE	PROJECT TITLE	SCOPE	(\$000)	
171-450	MEDICAL TRAINING FACILITY (ANG/ARNG)	13,000 SF	1,250	
211-111	UPGRADE MAINTENANCE HANGAR	61,000 SF	3,500	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION						2. DATE
3. INSTALLATION AND LOCATION BOISE AIR TERMINAL (GOWEN FIELD), IDAHO							
11. PERSONNEL STRENGTH AS OF 4 SEP 93							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	592	65	444	83	1,474	187	1,287
ACTUAL	572	64	438	70	1,345	169	1,176
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>				<u>STRENGTH</u>			
				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
HQ	ID ANG			30		27	
124	MSS SQ			46		45	
124	MSS FT			44		41	
124	CAM SQ			559	-	489	
124	TAC CL			51		48	
124	SVS FT			34		31	
124	RMS SQ			120		122	
124	SPF SQ			57		57	
124	CF FT			21		14	
124	CES SQ			136		132	
124	HQ SQ			63		53	
189	TRT FT			196		178	
190	TRS SQ			77		65	
124	STU FT			40		43	
TOTALS				1,474		1,345	
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>				<u>AUTHORIZED</u>	<u>ASSIGNED</u>		
F-4G Aircraft				35	35		
C-26 Aircraft				1	1		
Support Equipment				208	201		
Vehicle Equivalents				117	116		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION SITE 94-03			4. AREA CONSTR COST INDEX 1.01	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Army National Guard Armory, 1 Army Reserve Center, 1 Naval Reserve Center				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START Cmpl
113-321	AIRCRAFT DEICING APRON	LS	400	SEP 93 AUG 94
211-179	FUEL SYSTEMS MAINTENANCE AND CORROSION CONTROL FACILITY	27,600 SF	5,200	SEP 93 AUG 94
730-142	FIRE STATION AND AGE SHOP	14,900 SF	1,950	SEP 91 FEB 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
				(Date)
9. LAND ACQUISITION REQUIRED		None	(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	
111-111	AIRFIELD PAVEMENT UPGRADE	101,500 SY	8,600	
113-321	PARKING APRON AND HYDRANT REFUELING SYSTEM	LS	6,800	
121-111	REFUELING VEHICLE PARKING	1,600 SY	400	
124-135	JET FUEL STORAGE COMPLEX	LS	2,900	
141-753	ALTER SQUADRON OPERATIONS FACILITY	21,600 SF	1,100	
211-111	ALTER AIRCRAFT MAINTENANCE HANGAR AND SHOPS	59,500 SF	3,200	
871-183	UPGRADE DRAINAGE SYSTEM	LS	500	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE		
3. INSTALLATION AND LOCATION SITE 94-03							
11. PERSONNEL STRENGTH AS OF 10 JUL 93							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	373	28	295	50	1,224	116	1,108
ACTUAL	357	23	284	50	1,170	110	1,060
12. RESERVE UNIT DATA							
				<u>STRENGTH</u>			
	<u>UNIT DESIGNATION</u>			<u>AUTHORIZED</u>	<u>ACTUAL</u>		
	122	CAM SQ		559	526		
	122	CEG SQ		124	118		
	122	CMN FT		21	17		
	122	FW HQ		59	50		
	122	MSP SQ		46	46		
	122	MSP FT		38	36		
	122	RMS SQ		121	118		
	122	THP HP		50	45		
	122	SPF FT		57	61		
	122	SVS FT		27	26		
	163	FGT SQ		56	60		
	235	ATC FT		66	67		
	TOTALS			1,224	1,170		
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>			<u>AUTHORIZED</u>	<u>ASSIGNED</u>		
	KC-135 Aircraft			8	0		
	F-16C Aircraft			17	25		
	F-16D Aircraft			1	1		
	C-26 Aircraft			1	1		
	Support Equipment			153	134		
	Vehicle Equivalents			273	266		

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION SITE 94-03			4. PROJECT TITLE FUEL SYSTEMS MAINTENANCE AND CORROSION CONTROL FACILITY		
5. PROGRAM ELEMENT 56296F	6. CATEGORY CODE 211-179	7. PROJECT NUMBER ATOZ909914	8. PROJECT COST(\$000) \$5,200		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FUEL SYSTEMS AND CORROSION CONTROL		SF	27,600		3,604
FUEL SYSTEMS MAINTENANCE		SF	23,500	135	(3,173)
PLASTIC MEDIA STRIPPING SHOP		SF	1,600	105	(168)
SHOP SPACE		SF	2,500	105	(263)
SUPPORTING FACILITIES					1,110
UTILITIES		LS			(250)
PAVEMENTS		LS		-	(175)
SITE IMPROVEMENTS		LS			(235)
FIRE SUPPRESSION		LS			(250)
DEMOLITION		LS			(200)
SUBTOTAL					4,714
CONTINGENCY (5%)					236
TOTAL CONTRACT COST					4,950
SUPERVISION, INSPECTION AND OVERHEAD (5%)					248
TOTAL REQUEST					5,198
TOTAL REQUEST (ROUNDED)					5,200
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab with masonry/insulated metal panel walls. Utilities, access pavements, site improvements, an oil/water separator, and fire suppression system shall be provided. Upgrade water supply for fire suppression. Demolish Buildings 755 (1,300 SF) and 716 (125,000 SF) for a total of 126,300 SF. Air Conditioning: 15 Tons.					
11. REQUIREMENT: 27,600 SF ADEQUATE: 0 SUBSTANDARD: 126,300 SF PROJECT: Fuel Systems Maintenance and Corrosion Control Facility (New Mission). REQUIREMENT: This project supports the conversion from 18 F-16 to 8 KC-135 aircraft. This is also a category II environmental compliance project. The base requires a facility for the environmentally safe repair of aircraft fuel cells and for the performance of corrosion control on aircraft parts both on and off the aircraft. Functional areas include fuel cell/corrosion control bay, fuel cell repair shop, support shop space, provisions for washing, paint spray area for painting large and small parts, training and administration areas. Apron access to the facility is necessary. Environmentally safe exhaust systems to prevent air pollution and an oil/water separator to prevent corrosion contaminants or fuel spills from entering the soil/aquifer or waste water system will be required. CURRENT SITUATION: The F-16 fuel cell is undersized and cannot be used by the larger KC-135. Due to space limitation it cannot be altered or expanded. The exhaust systems in the facility do not meet environmental air pollution standards. The present oil/water separator does not meet environmental standards and a large fuel spill would exceed the capacity					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
SITE 94-03		
4. PROJECT TITLE	5. PROJECT NUMBER	
FUEL SYSTEMS MAINTENANCE AND CORROSION CONTROL FACILITY	ATOZ909914	
of the existing system and damage the environment. The facility was built in 1977 and is structurally sound. It will be reused for supply storage during the conversion and converted to AGE and equipment storage eliminating the need to build one to satisfy this requirement. The proposed location for the new facility requires the demolition of two old, antiquated and excess warehouse storage facilities which are in the way of construction. <u>IMPACT IF NOT PROVIDED:</u> Fuel cell repair and training will have to be done outside on the ramp in an unsafe manner and in violation of technical orders. Maintenance will be delayed especially during the winter months. Inefficient training. Poor working conditions. The mission capability of the corrosion control shop and the health and welfare of its personnel will be adversely affected. Environmental statutes will be violated through air pollution, water pollution and soil contamination. Unable to reach full operational capability. <u>ADDITIONAL:</u> Due to operational requirements, an economic analysis was not accomplished.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
SITE 94-03		
4. PROJECT TITLE	5. PROJECT NUMBER	
FUEL SYSTEMS MAINTENANCE AND CORROSION CONTROL FACILITY	ATOZ909914	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 SEP 01	
(b) Percent Complete as of Jan 94	35%	
(c) Date 35% Designed	94 JAN 20	
(d) Date Design Complete	94 AUG 01	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	190	
(b) All Other Design Costs	70	
(c) Total	260	
(d) Contract	260	
(e) In-house		
(4) Construction Start	95 AUG	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
ANG					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
SITE 94-03			FIRE STATION AND AGE SHOP		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55296F	730-142	AT0Z909768	\$1,950		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE STATION AND AGE SHOP		SF	14,900		1,424
FIRE STATION		SF	10,600	110	(1,166)
ALTER AIRCRAFT GROUND EQUIPMENT SHOP		SF	4,300	60	(258)
SUPPORTING FACILITIES					350
UTILITIES		LS			(200)
PAVEMENTS		LS			(100)
SITE IMPROVEMENTS		LS			(50)
SUBTOTAL					1,774
CONTINGENCY (5%)					89
TOTAL CONTRACT COST					1,863
SUPERVISION, INSPECTION AND OVERHEAD (5%)					93
TOTAL REQUEST					1,956
TOTAL REQUEST (ROUNDED)					1,950
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab. Walls of masonry with steel frame and roof structure. All utilities, pavements and site improvements. Alter existing building for aircraft ground equipment (AGE) shop. Relocate walls and utilities. Air Conditioning: 15 Tons.					
11. REQUIREMENT: 14,900 SF ADEQUATE: 0 SUBSTANDARD: 4,300 SF PROJECT: Fire Station and AGE Shop (New Mission). REQUIREMENT: This project supports the conversion from 18 F-16 to 8 KC-135 aircraft. An adequately sized and properly configured facility is required for operational and training purposes to support the crash rescue and training mission of the KC-135 aircraft. A secondary benefit is the mutual response agreement with the Municipal Airport Authority. The facility must contain adequate space for eight vehicle bays, control room, training, administrative functions, kitchen, dining, bunk rooms, locker rooms, bath/shower rooms, fire extinguisher maintenance area, and storage. Space must be adequate and properly arranged for both male and female fire fighters. CURRENT SITUATION: As a result of the KC-135 conversion, larger fire station and AGE facilities are required. The existing facility was constructed as a fire station/motor pool and can only accommodate four of the eight assigned vehicles. The kitchen, dining room and bunk room are combined into one room. Sleeping is impossible as part of the building is still utilized as an aircraft ground equipment (AGE) maintenance shop. There is no classroom available for training. The facilities are incompatible with a male/female fire fighting operation. The existing facility is structurally sound and free of asbestos. The vacated fire station area will be renovated to alleviate the space deficiencies					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA ANG (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
SITE 94-03		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE STATION AND AGE SHOP	ATOZ909768	
associated with the KC-135 aircraft ground equipment shop. <u>IMPACT IF NOT PROVIDED:</u> Training is hampered. Response to unit and airport emergencies will not be responsive. Equipment exposed to the elements suffers accelerated deterioration. Overall efficiency and morale continue to be affected. The mission of the fire fighters is compromised. The increased fire danger that accompanies a tanker aircraft, hydrant fuel supply system and the large quantities of fuel increases the chances of a disaster with the current situation. Unable to reach full operational capabilities. -		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
SITE 94-03		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE STATION AND AGE SHOP	ATQZ909768	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		91 SEP 12
(b) Percent Complete as of Jan 94		95%
(c) Date 35% Designed		93 MAR 15
(d) Date Design Complete		94 FEB 15
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		90
(b) All Other Design Costs		55
(c) Total		145
(d) Contract		145
(e) In-house		
(4) Construction Start		95 JUL
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION FORBES FIELD ANG, KANSAS		4. AREA CONSTR COST INDEX 0.90
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Coast Guard Facility, 1 State Headquarters Facility, 1 Marine Reserve Facility, 1 Army Aviation Facility, 1 Naval Reserve Facility, 1 Army Reserve Center, 1 USPFO Facility and 1 Armory		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995		
CATEGORY CODE	PROJECT TITLE	SCOPE COST (\$000) DESIGN STATUS START CMPL
124-135	SITE RESTORATION AND FUEL STORAGE TANK REMOVAL	LS 2,950 AUG 89 NOV 93
832-266	UPGRADE SANITARY SEWER SYSTEM	LS 670 SEP 93 AUG 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved 15 APR 93 (Date)		
9. LAND ACQUISITION REQUIRED	None	(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY CODE	PROJECT TITLE	SCOPE COST (\$000)
116-665	POWER CHECK PAD WITH SOUND SUPPRESSOR	LS 600
211-179	ALTER FUEL CELL MAINTENANCE DOCK	LS 2,100
219-944	ADD TO AND ALTER BASE CIVIL ENGINEER MAINTENANCE COMPLEX	14,700 SF 1,150
880-232	FIRE SUPPRESSION SYSTEM	LS 3,200

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE		
3. INSTALLATION AND LOCATION FORBES FIELD ANG, KANSAS							
11. PERSONNEL STRENGTH AS OF 15 AUG 93							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	437	40	296	101	1,068	142	926
ACTUAL	402	36	271	95	995	139	856
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>		<u>STRENGTH</u>					
		<u>AUTHORIZED</u>	<u>ACTUAL</u>				
190	ARG	69	64				
117	ARS	74	66				
190	CAMS	359	331				
190	MSS	46	42				
190	RMS	120	112				
190	CES	148	100				
190	SPF	75	74				
190	MSF	40	35				
190	SVF	30	21				
190	USAFCI	55	51				
8109	STU FT	0	48				
126	WEAFLT	22	22				
HQ	KSANG	30	29				
TOTALS		1,068	995				
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>		<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
KC-135E Aircraft		10	10				
Support Equipment		94	94				
Vehicle Equivalents		292	348				

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION FORBES FIELD ANG KANSAS			4. PROJECT TITLE SITE RESTORATION AND FUEL STORAGE TANK REMOVAL		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER GUOE929597	8. PROJECT COST(\$000) \$2,950		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
SITE RESTORATION AND FUEL STORAGE TANK		LS			2,050
SUPPORTING FACILITIES					500
PAVEMENTS		LS			(75)
UTILITIES		LS			(40)
SITE RESTORATION		LS			(320)
DEMOLITION		LS			(65)
SUBTOTAL				-	2,550
CONTINGENCY (10%)					255
TOTAL CONTRACT COST					2,805
SUPERVISION, INSPECTION AND OVERHEAD (5%)					140
TOTAL REQUEST					2,945
TOTAL REQUEST (ROUNDED)					2,950
10. Description of Proposed Construction: Demolition of POL lab, pump houses and hydrant refueling system. Excavate and replace/remove thirty tanks and tank residue (26 each 50,000 gal and 4 each 2,000 gal). Cleanup the contaminated soil and restore site. All utilities and support.					
11. REQUIREMENT: As required.					
PROJECT: Site Restoration and Fuel Storage Tank Removal (Current Mission).					
REQUIREMENT: This is a level II environmental compliance project. The base requires an adequate site for the operation of the 10 KC-135 aircraft, training of personnel and a clean site for the construction of additional facilities.					
CURRENT SITUATION: A FY 93 MILCON project currently under construction provides for a new jet fuel storage complex. After that project is completed there is the need to clean up the old site and remove the unused hydrant refueling system and pumphouses. This project demolishes the old tanks, reconfigures the roads and utilities, replaces and upgrades the other appurtenances, removes the contaminated soil and restores the site to acceptable standards so it can be reused to construct follow-on facilities. The present area is contaminated. The empty tanks and other underground POL systems must be removed to comply with the State and Federal EPA requirements.					
IMPACT IF NOT PROVIDED: Non-compliance with statutes. The State and County may issue restraints and/or Notice of Violations and fines. Unable to reuse the area for other facilities. Adverse publicity for the ANG if the area is not cleaned up.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
FORBES FIELD ANG KANSAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
SITE RESTORATION AND FUEL STORAGE TANK REMOVAL	GUOE929597	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	89 AUG 25	
(b) Percent Complete as of Jan 94	100%	
(c) Date 35% Designed	92 JUL 28	
(d) Date Design Complete	93 NOV 15	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications	120	
(b) All Other Design Costs	75	
(c) Total	195	
(d) Contract	195	
(e) In-house		
(4) Construction Start	95 JUL	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
ANG					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
FORBES FIELD ANG KANSAS			UPGRADE SANITARY SEWER SYSTEM		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55256F	832-266	GUOE939781	\$670		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE SANITARY SEWER SYSTEM	LS			540	
SUPPORTING FACILITIES				40	
PAVEMENTS	LS			(20)	
SITE IMPROVEMENTS	LS			(20)	
SUBTOTAL				580	
CONTINGENCY (10%)			-	58	
TOTAL CONTRACT COST				638	
SUPERVISION, INSPECTION AND OVERHEAD (5%)				32	
TOTAL REQUEST				670	
TOTAL REQUEST (ROUNDED)				670	
10. Description of Proposed Construction: Upgrade by replacement the existing sanitary sewer system. Upgrade sewer lines and manholes. Repair or replace sewage lift stations. Redirect some storm water and foundation drainage into the sanitary sewer. Restore site and modify underground utilities as required.					
11. REQUIREMENT: As required. PROJECT: Upgrade Sanitary Sewer System (Current Mission). REQUIREMENT: This is a level II environmental compliance project. The base requires an environmentally safe and functional sanitary sewer system to support operations and to comply with environmental and health regulations. CURRENT SITUATION: The infiltration of storm water into the sanitary sewer system has been recorded at nearly 2000% above the acceptable design level of 1980. The situation has become worse since that time. Manholes and sewer lines have continued to deteriorate. This level of infiltration is overloading the existing sewage treatment facility. Much of the infiltration is from foundation drains, roof drains and yard drains which discharge directly into the sanitary sewer. This is in violation of current Clean Water Act regulations. The City of Forbes sanitary system cannot accept and treat the extra water. The city has directed the ANG to insure no water infiltration enters the system. IMPACT IF NOT PROVIDED: The City of Topeka will complete a new sewer line within a year to serve Forbes. The new fee schedule will not only charge Forbes for the infiltration/inflow, but will also impose a penalty for exceeding acceptable infiltration/inflow rates. The base will continue to be in violation of Federal Clean Water Act regulations. The potential will remain for the sanitary sewer to leach into surrounding soil and to					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
FORBES FIELD ANG KANSAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE SANITARY SEWER SYSTEM	GUOE939781	
contaminate nearby groundwater. Higher operating costs and possible negative publicity for the Air Force and the Air National Guard.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
FORBES FIELD ANG KANSAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE SANITARY SEWER SYSTEM	GUOE939781	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 SEP 15	
(b) Percent Complete as of Jan 94	35%	
(c) Date 35% Designed	94 JAN 20	
(d) Date Design Complete	94 AUG 01	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	30	
(b) All Other Design Costs	10	
(c) Total	40	
(d) Contract	40	
(e) In-house		
(4) Construction Start	95 JUL	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION STANDIFORD FIELD ANG, KENTUCKY		4. AREA CONSTR COST INDEX 0.94
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician force, support of a 7-day week airlift mission.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Army National Guard Armory, 1 Army Reserve Facility, 1 Naval Reserve Facility		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995		
CATEGORY CODE	PROJECT TITLE	SCOPE COST (\$000) DESIGN STATUS START CMPL
211-179	FUEL CELL AND CORROSION CONTROL FACILITY	14,500 SF 2,950 SEP 93 JUL 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved <u>3 AUG 93</u> (Date)		
9. LAND ACQUISITION REQUIRED	None	(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY CODE	PROJECT TITLE	SCOPE COST (\$000)
124-135	JET FUEL STORAGE COMPLEX	LS 3,400
214-425	VEHICLE MAINTENANCE AND AERIAL PORT FACILITY	25,400 SF 4,100

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE		
3. INSTALLATION AND LOCATION STANDIFORD FIELD ANG, KENTUCKY							
11. PERSONNEL STRENGTH AS OF 30 SEP 93							
	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	298	12	66	220	1,331	182	1,149
ACTUAL	291	12	66	213	1,190	168	1,022
12. RESERVE UNIT DATA							
				STRENGTH			
UNIT DESIGNATION				AUTHORIZED	ACTUAL		
223	COMMSQ			54	45		
165	WEAFLT			16	13		
123	COMFLT			21	15		
123	MAPS			106	100		
123	SERFLT			34	29		
123	HQ AW			25	20		
123	MSSQ			45	43		
123	CAM SQ			273	240		
123	TAC HS			72	63		
123	HQ AW			78	70		
165	AS			130	117		
123	CES			186	170		
123	SP FLT			57	52		
123	RMS			120	120		
123	MS FTL			40	39		
123	HQKYAN			26	26		
8123	STU FT			48	28		
TOTALS				1,331	1,190		
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE				AUTHORIZED	ASSIGNED		
C-130H Aircraft				12	12		
Support Equipment				112	75		
Vehicle Equivalents				284	286		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
ANG					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
STANDIFORD FIELD ANG KENTUCKY			FUEL CELL AND CORROSION CONTROL FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55256F	211-179	WEAS929862	\$2,950		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FUEL CELL AND CORROSION CONTROL FACILITY		SF	14,500		2,069
FUEL SYSTEMS MAINTENANCE DOCK		SF	12,800	145	(1,856)
SHOP SPACE		SF	1,700	125	(213)
SUPPORTING FACILITIES					605
UTILITIES		LS			(175)
PAVEMENTS		LS			(150)
SITE IMPROVEMENTS		LS			(30)
FIRE SUPPRESSION SYSTEM		LS			(250)
SUBTOTAL					2,674
CONTINGENCY (5%)					134
TOTAL CONTRACT COST					2,808
SUPERVISION, INSPECTION AND OVERHEAD (5%)					140
TOTAL REQUEST					2,948
TOTAL REQUEST (ROUNDED)					2,950
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab with masonry/insulated metal panel walls. Structure shall be steel frame with standing seam metal roof. Utilities, access pavements, site improvements, an oil/water separator, and fire suppression. All utilities and support. Air Conditioning: 10 Tons.					
11. REQUIREMENT: 14,500 SF ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Fuel Cell and Corrosion Control Facility (Current Mission). REQUIREMENT: This is a level II environmental compliance project. A facility for the environmentally safe repair of aircraft fuel cells and bladders and for performing corrosion control on aircraft parts both on and off the aircraft is required. Functional areas include fuel cell/corrosion control dock, bladder repair shop, support shop space, paint spray area for painting large and small parts, training and administration areas. Environmentally safe exhaust systems to prevent air pollution and an oil/water separator to prevent corrosion contaminants or fuel spills from entering the soil/aquifer or waste water system are required. CURRENT SITUATION: The base does not have a facility for accomplishing fuel cell and corrosion control on C-130 aircraft. The work is accomplished outdoors in violation of technical orders and environmental regulations. The facility utilized for these functions prior to converting to cargo aircraft was designed for fighter aircraft and cannot be economically added to or altered to provide the necessary support for the C-130 aircraft. This existing facility is being utilized for other requirements. Interim solutions are costly and extreme care must be taken so as not to create an unsafe or environmentally dangerous work place.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
STANDIFORD FIELD ANG KENTUCKY		
4. PROJECT TITLE	5. PROJECT NUMBER	
FUEL CELL AND CORROSION CONTROL FACILITY	WEAS929862	
Continued use of interim measures will lead to air and/or water pollution and soil contamination. As part of an approved agreement between the Air Force and the Standiford Field Airport authority, the ANG base will relocate from the present site to another area of the base. The airport authority is responsible for relocating the existing facilities on a square foot per square foot basis. The Air National Guard is responsible for programming additional facilities for the authorized and minimum required scope. This is one of the projects. <u>IMPACT IF NOT PROVIDED:</u> Maintenance is delayed especially during the winter months. Inefficient training results from the poor working conditions. The mission capability of the corrosion control shop and the health and welfare of its personnel is adversely affected. The unit will not be able to support the corrosion control and fuel cell functions. Environmental statutes will be violated through air pollution, water pollution and soil contamination. <u>ADDITIONAL:</u> An exception to the economic analysis requirement has been prepared. The paper presents the rationale for only one alternative which is to construct the fuel cell and corrosion control dock.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA ANG (computer generated)	2. DATE
3. INSTALLATION AND LOCATION STANDIFORD FIELD ANG KENTUCKY		
4. PROJECT TITLE	5. PROJECT NUMBER	
FUEL CELL AND CORROSION CONTROL FACILITY	WEAS929862	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 SEP 30	
(b) Percent Complete as of Jan 94	35%	
(c) Date 35% Designed	94 JAN 15	
(d) Date Design Complete	94 JUL 15	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	140	
(b) All Other Design Costs	75	
(c) Total	215	
(d) Contract	215	
(e) In-house		
(4) Construction Start	95 APR	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION BANGOR INTERNATIONAL AIRPORT, MAINE		4. AREA CONSTR COST INDEX 1.05
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual training per year, daily use by technician/AGR force and for training.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 3 Army National Guard Units, 1 Army Reserve Facility and 1 Naval Reserve Facility.		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995		
CATEGORY CODE	PROJECT TITLE	SCOPE COST (\$000) DESIGN STATUS START CMPL
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS 840 FEB 90 JUN 92
214-467	REFUELING VEHICLE MAINTENANCE FACILITY	1,700 SF 379 SEP 93 AUG 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved 14 OCT 92 (Date)		
9. LAND ACQUISITION REQUIRED		None (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY CODE	PROJECT TITLE	SCOPE COST (\$000)

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE		
3. INSTALLATION AND LOCATION BANGOR INTERNATIONAL AIRPORT, MAINE							
11. PERSONNEL STRENGTH AS OF 31 AUG 93							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	379	33	282	64	1,065	128	937
ACTUAL	368	31	274	63	1,005	121	884
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>					
		<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	101 AREFW	75	60				
	101 MSS	46	42				
	101 CAMS	359	302				
	101 USAFCL	55	51				
	132 AREFS	74	71				
	101 CES	172	157				
	101 SVF	27	26				
	101 SPF	97	91				
	101 RMS	120	114				
	101 STU FT	0	53				
	1011 MSF	40	38				
	TOTALS	1,065	1,005				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	KC-135E Aircraft	10	10				
	Support Equipment	119	94				
	Vehicle Equivalents	349	451				

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION BANGOR INTERNATIONAL AIRPORT MAINE			4. PROJECT TITLE REPLACE UNDERGROUND FUEL STORAGE TANKS			
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER FKNN909616	8. PROJECT COST(\$000) \$840			
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE UNDERGROUND FUEL STORAGE TANKS		LS			620	
SUPPORTING FACILITIES					105	
UTILITIES		LS			(10)	
PAVEMENTS		LS			(10)	
SITE RESTORATION		LS			(85)	
SUBTOTAL					725	
CONTINGENCY (10%)					73	
TOTAL CONTRACT COST					798	
SUPERVISION, INSPECTION AND OVERHEAD (5%)					40	
TOTAL REQUEST					838	
TOTAL REQUEST (ROUNDED)					840	
10. Description of Proposed Construction: Excavate and remove 15 tanks. Replace 14 tanks. Dispose of the tanks, tank residue, and the contaminated soil. Restore the sites.						
11. REQUIREMENT: As required. PROJECT: Replace Underground Fuel Storage Tanks (UST) (Current Mission). REQUIREMENT: This is a level II environmental compliance project. Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Federal Environmental Protection Agency (EPA) has set standards that require that all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible. CURRENT SITUATION: The USTs at this base have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the base is subject to Notice of Violations by the Federal and/or State EPA. IMPACT IF NOT PROVIDED: Non-compliance with Statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage has the potential to contaminate the soil and aquifer. The ANG training could be curtailed and the ANG could receive unfavorable publicity.						

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
BANGOR INTERNATIONAL AIRPORT MAINE		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	FKNN909616	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	90 FEB 23	
(b) Percent Complete as of Jan 94	100%	
(c) Date 35% Designed	90 DEC 11	
(d) Date Design Complete	92 JUN 01	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	44	
(b) All Other Design Costs	22	
(c) Total	66	
(d) Contract	66	
(e) In-house		
(4) Construction Start	95 MAY	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE	
3. INSTALLATION AND LOCATION ALPENA COUNTY REGIONAL AIRPORT MICHIGAN					4. AREA CONSTR COST INDEX 1.05	
5. FREQUENCY AND TYPE OF UTILIZATION Daily use by full time personnel, used by up to 40 visiting military units per year for periods ranging from 2 days to 4 weeks.						
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Army National Guard Armory						
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995						
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS		
CODE				START	CMPL	
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS	385	NOV 91	JUN 94	
179-511	REGIONAL FIREMEN TRAINING FACILITY	LS	750	SEP 93	AUG 94	
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved						
				17 FEB 93 (Date)		
9. LAND ACQUISITION REQUIRED		None		(Number of Acres)		
10. PROJECTS PLANNED IN NEXT FOUR YEARS						
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)			
CODE						
116-922	AIRCRAFT ARRESTING SYSTEM	LS	1,950			
219-944	BASE CIVIL ENGINEERING MAINTENANCE COMPLEX	14,400 SF	2,200			
442-758	BASE SUPPLY WAREHOUSE	25,200 SF	4,000			
730-142	FIRE STATION AND AGE	17,900 SF	2,750			
832-266	SANITARY SEWER LINE	40,000 LF	2,100			

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION						2. DATE
3. INSTALLATION AND LOCATION ALPENA COUNTY REGIONAL AIRPORT MICHIGAN							
11. PERSONNEL STRENGTH AS OF 17 FEB 93							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	151	8	74	69	82	8	74
ACTUAL	126	8	64	54	72	8	64
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>		<u>STRENGTH</u>				
			<u>AUTHORIZED</u>	<u>ACTUAL</u>			
	CRTC		82	72			
	TOTALS		82	72			
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ASSIGNED</u>			
	Support Equipment	122		122			
	Vehicle Equivalents	512		512			

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION ALPENA CITY REGIONAL AIRPORT (ANG) MICHIGAN			4. PROJECT TITLE REGIONAL FIREMEN TRAINING FACILITY		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 179-511	7. PROJECT NUMBER TDVG919603	8. PROJECT COST(\$000) \$750		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
REGIONAL FIREMEN TRAINING FACILITY	LS			430	
SUPPORTING FACILITIES				215	
UTILITIES	LS			(140)	
PAVEMENTS	LS			(50)	
SITE IMPROVEMENTS	LS			(25)	
SUBTOTAL				645	
CONTINGENCY (10%)				65	
TOTAL CONTRACT COST				710	
SUPERVISION, INSPECTION AND OVERHEAD (5%)				36	
TOTAL REQUEST				746	
TOTAL REQUEST (ROUNDED)				750	
10. Description of Proposed Construction: Standard burn and draft pit, block building, all necessary utilities, and burn equipment.					
11. REQUIREMENT: As required. <u>PROJECT:</u> Regional Firemen Training Facility (Current Mission). <u>REQUIREMENT:</u> This is a level II environmental compliance project. Alpena serves as a regional training site for the total Force. The training facility is used by ground and air forces of the active and reserve components. The base requires a properly designed, correctly configured and environmentally safe fire training facility to support units who deploy there for training. <u>CURRENT SITUATION:</u> The base does not have an environmentally approved fire training pit to accomplish the training. Personnel must now accomplish training in a makeshift or simulated environment that does not properly satisfy the training experience. Due to environmental considerations, the ANG has been forced to close the firemen training facilities. The concept of operation is to train at regional centers in conjunction with other deployments at one of the Combat Training Centers such as Alpena. <u>IMPACT IF NOT PROVIDED:</u> Unable to properly train. Increased operating costs and decreased readiness. <u>ADDITIONAL:</u> There are numerous ANG locations that have the requirement for this type of training. This project will serve as a regional training center for other ANG locations.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
ALPENA CITY REGIONAL AIRPORT (ANG) MICHIGAN		
4. PROJECT TITLE	5. PROJECT NUMBER	
REGIONAL FIREMEN TRAINING FACILITY	TDVG919603	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 SEP 20	
(b) Percent Complete as of Jan 94	35%	
(c) Date 35% Designed	94 JAN 20	
(d) Date Design Complete	94 AUG 01	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	38	
(b) All Other Design Costs	11	
(c) Total	49	
(d) Contract	49	
(e) In-house		
(4) Construction Start	95 JUN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION SELFRIDGE ANG BASE, MICHIGAN			4. AREA CONSTR COST INDEX 1.07	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 5 Army Reserve Centers, 2 Army National Guard Armories and 1 Naval Armory				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START CMPL
821-116	UPGRADE HEATING SYSTEMS	LS	5,400	APR 93 AUG 94
871-185	UPGRADE STORM DRAINAGE SYSTEM	LS	840	MAR 92 AUG 93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
				17 FEB 93 (Date)
9. LAND ACQUISITION REQUIRED		None		
(Number of Acres)				
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	
149-962	CONTROL TOWER	LS	2,700	
171-450	MEDICAL TRAINING FACILITY (ANG/AFRES)	18,300 SF	1,350	
211-179	ALTER FUEL CELL AND CORROSION CONTROL HANGAR	21,000 SF	800	
219-944	BASE CIVIL ENGINEERING MAINTENANCE FACILITY	27,700 SF	3,800	
722-351	DINING HALL (ANG/AFRES)	16,000 SF	1,500	
821-116	UPGRADE BASE HEATING SYSTEMS PHASE III	LS	5,700	
821-116	UPGRADE BASE HEATING SYSTEMS PHASE II	LS	4,500	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION						2. DATE
3. INSTALLATION AND LOCATION SELFRIDGE ANG BASE, MICHIGAN							
11. PERSONNEL STRENGTH AS OF 17 SEP 93							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	1,042	39	527	476	1,984	215	1,769
ACTUAL	1,020	37	544	439	1,797	197	1,600
12. RESERVE UNIT DATA							
				<u>STRENGTH</u>			
<u>UNIT DESIGNATION</u>				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
	127	SVCS		27	21		
	107	TFS		49	52		
	127	CAMS		460	438		
	127	MSS		46	45		
	127	TAC CI		73	64		
	127	FW		59	54		
	127	COM FT		21	14		
	127	SPF		57	55		
	127	MSS FT		33	27		
	127	RMS		120	119		
	107	WX FLT		18	18		
	191	SVCS		34	26		
	171	FIS		39	47		
	191	MSS		44	41		
	191	CAM		403	345		
	191	FIG		64	54		
	191	CLINIC		55	52		
	191	CES		136	117		
	191	SPF		85	64		
	191	RMS		124	108		
	191	MSF		37	36		
	TOTALS			1,984	1,797		
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>				<u>AUTHORIZED</u>	<u>ASSIGNED</u>		
F-16A/B Aircraft				42	42		
C-26B Aircraft				1	1		
Support Equipment				277	259		
Vehicle Equivalents				739	883		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ANG		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
SELEFRIDGE ANG BASE MICHIGAN			UPGRADE HEATING SYSTEMS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55256F	821-116	VGLZ929901	\$5,400		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE HEATING SYSTEMS	LS			3,200	
SUPPORTING FACILITIES				1,470	
UTILITIES	LS			(300)	
PAVEMENTS	LS			(170)	
SITE IMPROVEMENTS	LS			(100)	
DEMOLITION	LS			(300)	
ASBESTOS REMOVAL	LS			(600)	
SUBTOTAL				4,670	
CONTINGENCY (10%)				467	
TOTAL CONTRACT COST				5,137	
SUPERVISION, INSPECTION AND OVERHEAD (5%)				257	
TOTAL REQUEST				5,394	
TOTAL REQUEST (ROUNDED)				5,400	
10. Description of Proposed Construction: Demolition of the existing steam distribution system serving 13 of 23 buildings on the East side of the base. Installation of packaged heating systems in each affected building. All utilities and support. Demolish Building 123 (600 SF).					
11. REQUIREMENT: As required.					
PROJECT: Upgrade Heating Systems (Current Mission).					
REQUIREMENT: This is a level II environmental compliance project. The base requires an adequate heating system which is economical to maintain, operate and does not pollute the air and ground water. This project includes Buildings 3, 5, 7, 9, 15, 17, 18, 24, 25, 32, 33, 34, and 50.					
CURRENT SITUATION: The base has an antiquated central heating plant which serves in excess of 30 buildings through a system of approximately six miles of underground and above ground high temperature hot water lines. The central plant has old boilers which are uneconomical to operate. The plant emissions do not meet Federal and State air quality standards. There are numerous health and safety violations. The lines serving the buildings are old and poorly insulated. They need immediate replacement. There are numerous and substantial losses of energy through leaks. The pipes have asbestos insulation. The electrical connections are old and corroded. The plant uses coal and the coal storage piles cause pollution of the groundwater. It is uneconomical to upgrade the heating plant to meet air quality standards. Similarly, it is uneconomical to provide an impervious surface such that the coal piles do not pollute the groundwater. The plant must be operated throughout the year to allow for the supply of hot water to the various buildings. This project will provide smaller energy efficient heating units that will be more economical to operate and maintain. The grouping/phasing was determined					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA ANG (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SELERIDGE ANG BASE MICHIGAN		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE HEATING SYSTEMS	VGLZ929901	
by an extensive study and economic analysis. <u>IMPACT IF NOT PROVIDED:</u> Large energy losses. Inadequate heating for over 30 buildings. Health and safety hazards. Increasing operating costs. Violation of the Federal and State environmental laws. Possible shut down of the system with partial shut down of the base. <u>ADDITIONAL:</u> A life cycle economic analysis has been prepared comparing all reasonable options for accomplishing this project. The analysis indicates that the grouping of the boilers into packaged units is the most economical alternative.		

1. COMPONENT ANG	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SELFRIDGE ANG BASE MICHIGAN		
4. PROJECT TITLE UPGRADE HEATING SYSTEMS		5. PROJECT NUMBER VGLZ929901
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 APR 14
(b) Percent Complete as of Jan 94		65%
(c) Date 35% Designed		93 OCT 15
(d) Date Design Complete		94 AUG 15
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		215
(b) All Other Design Costs		120
(c) Total		335
(d) Contract		335
(e) In-house		
(4) Construction Start		95 JUN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION SELFRIDGE ANG BASE MICHIGAN			4. PROJECT TITLE UPGRADE STORM DRAINAGE SYSTEM		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 871-185	7. PROJECT NUMBER VGLZ939527	8. PROJECT COST(\$000) \$840		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE STORM DRAINAGE SYSTEM		LS			550
SUPPORTING FACILITIES					175
UTILITIES		LS			(150)
PAVEMENTS		LS			(15)
SITE IMPROVEMENTS		LS			(10)
SUBTOTAL					725
CONTINGENCY (10%)					73
TOTAL CONTRACT COST					798
SUPERVISION, INSPECTION AND OVERHEAD (5%)					40
TOTAL REQUEST					838
TOTAL REQUEST (ROUNDED)					840
10. Description of Proposed Construction: Install emergency back-up power generators and appurtenances. Replace pumps and motors.					
11. REQUIREMENT: As required. PROJECT: Upgrade Storm Drainage System (Current Mission). REQUIREMENT: The base has to plan for the strong possibility of partial flooding and severe environmental contamination of large areas of the base. Water must be continuously pumped from the base because the base surface level is about two feet below the adjacent level of Lake Huron. If pumping does not occur, the water table will rise on base and cover a large portion of the land and the airfield similar to the flooding that occurred along the Mississippi and Missouri rivers in the summer of 1993. CURRENT SITUATION: Storm pumps operate on commercial power. This is insufficient and has been a major concern due to the potential for a major disaster and is part of the base environmental compliance plan. During severe storms and especially during non-duty hours, personnel are recalled and portable generator units must be connected when a commercial power loss occurs. Many close calls to disastrous flooding have occurred. This project will install automatic starting generators with an alarm capability in case the generators do not start. The pumps and motors are old and do not work properly. Spare parts are not available. IMPACT IF NOT PROVIDED: Large areas of the base may become flooded, including one third of the base where the ANG cantonment area is located. Potential for flooding of the airfield exists. Potential shut down of operations. Serious damage to facilities and extreme damage to the environment may result because the base hazardous materials and storage areas will become flooded.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
SELFRIDGE ANG BASE MICHIGAN		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE STORM DRAINAGE SYSTEM	VGLZ939527	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	92 MAR 15	
(b) Percent Complete as of Jan 94	100%	
(c) Date 35% Designed	93 FEB 01	
(d) Date Design Complete	- 93 AUG 01	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	30	
(b) All Other Design Costs	9	
(c) Total	39	
(d) Contract	39	
(e) In-house		
(4) Construction Start	95 JUN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION W K KELLOGG REGIONAL AIRPORT, MICHIGAN			4. AREA CONSTR COST INDEX 1.05	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 2 Army National Guard Armories, 1 Army Training Center, 1 Naval/Marine Reserve Center				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START CMPL
730-142	FIRE STATION AND AIRCRAFT SUPPORT EQUIPMENT SHOP	14,700 SF	1,600	NOV 91 APR 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
				17 FEB 93 (Date)
9. LAND ACQUISITION REQUIRED		None	(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	
730-835	SECURITY POLICE OPERATIONS	4,600 SF	940	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE	
3. INSTALLATION AND LOCATION W K KELLOGG REGIONAL AIRPORT, MICHIGAN						
11. PERSONNEL STRENGTH AS OF 6 AUG 93						
	PERMANENT				GUARD/RESERVE	
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZED	283	23	250	10	1,093	95 998
ACTUAL	268	24	234	10	1,011	98 913
12. RESERVE UNIT DATA						
				<u>STRENGTH</u>		
<u>UNIT DESIGNATION</u>				<u>AUTHORIZED</u>	<u>ACTUAL</u>	
110	CE	SQ		125	118	
110	SVS	SQ		25	23	
110	MSS	SQ		45	42	
110	MSS	FT		40	41	
110	AIR	MT		421	371	
110	RES	SQ		120	114	
110	FT	GRP		55	57	
110	TAC	CL		33	35	
172	FLT	SQ		50	51	
110	SECPFL			57	51	
HQ	AGO			31	31	
HQ	ALPENA			91	77	
TOTALS				1,093	1,011	
13. MAJOR EQUIPMENT AND AIRCRAFT						
<u>TYPE</u>				<u>AUTHORIZED</u>	<u>ASSIGNED</u>	
A-10 Aircraft				18	22	
Support Equipment				92	83	
Vehicle Equivalents				235	253	

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
ANG					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
W K KELLOGG AIRPORT MICHIGAN			FIRE STATION AND AIRCRAFT SUPPORT EQUIPMENT SHOP		
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
55296F		730-142	MBMV003123	\$1,600	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE STATION AND SUPPORT EQUIPMENT SHOP		SF	14,700		1,179
FIRE STATION		SF	10,200	105	(1,071)
ALTER SUPPORT EQUIPMENT SHOP		SF	4,500	24	(108)
SUPPORTING FACILITIES					290
UTILITIES		LS			(88)
PAVEMENTS		LS			(79)
SITE IMPROVEMENTS		LS			(74)
PRE-WIRED WORK STATIONS		LS			(10)
DEMOLITION/ASBESTOS REMOVAL		LS			(32)
SUBTOTAL					1,469
CONTINGENCY (5%)					73
TOTAL CONTRACT COST					1,542
SUPERVISION, INSPECTION AND OVERHEAD (5%)					77
TOTAL REQUEST					1,619
TOTAL REQUEST (ROUNDED)					1,600
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab. Masonry walls and roof structure including mechanical and electrical systems. Concrete pavements all utilities and support. Demolish building 6906 at 4,400 SF. Air Conditioning: 8 Tons.					
11. REQUIREMENT: 14,700 SF ADEQUATE: 0 SUBSTANDARD: 8,900 SF PROJECT: Fire Station and Aircraft Support Equipment Shop (New Mission). REQUIREMENT: This project supports the conversion of A-37 to A-10 aircraft. An adequately sized and properly configured facility to support crash/fire/rescue operations is required. Adequate space is also required for the aircraft ground equipment shop. Includes apparatus bays, storage space, extinguisher maintenance shop, kitchen and dining area, control room, classroom, administrative areas and bunkrooms for fire fighters. CURRENT SITUATION: The conversion of A-37 to A-10 increased the numbers of support equipment requiring the need for a larger facility. The ground support equipment shop is an old building that needs to be demolished. An addition would not be the prudent thing to do. In accordance with the approved master development plan, a fire station is to be built and the existing fire station converted into the support equipment shop. The existing fire station is too small to properly support the fire protection and crash/rescue operations. Only four of the seven fire vehicles fit into the undersized fire station bays. Vehicles are stored and maintained outside and are subject to extensive corrosion. The bunk rooms, locker rooms and kitchen are currently located next to the fire station in a rented trailer. The support equipment shop is short of space. There is not enough space to maintain and store the equipment. It remains exposed to the weather even during the extreme cold winter weather of northern					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
W K KELLOGG AIRPORT MICHIGAN		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE STATION AND AIRCRAFT SUPPORT EQUIPMENT SHOP	MBMV003123	
Michigan. <u>IMPACT IF NOT PROVIDED:</u> Improper training. Equipment exposed to the elements accelerates deterioration. Hardships on the overall fire protection operation which jeopardizes crash rescue and fire fighting capabilities. Higher operating costs.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
W K KELLOGG AIRPORT MICHIGAN		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE STATION AND AIRCRAFT SUPPORT EQUIPMENT SHOP	MBMV003123	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 NOV 26	
(b) Percent Complete as of Jan 94	95%	
(c) Date 35% Designed	93 APR 15	
(d) Date Design Complete	94 APR 30	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	83	
(b) All Other Design Costs	52	
(c) Total	135	
(d) Contract	135	
(e) In-house		
(4) Construction Start	95 JUN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION JEFFERSON BARRACKS ANG STATION MISSOURI		4. AREA CONSTR COST INDEX 0.94
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 4 Air National Guard, 7 Army National Guard, 1 Navy Reserve, 1 Coast Guard Reserve, 1 NGB Central Personnel Center		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995		
CATEGORY CODE	PROJECT TITLE	SCOPE
		COST (\$000)
		DESIGN STATUS START CMPL
124-135	REPLACE FUEL TANKS AND UPGRADE REFUELING VEHICLE/PAINT BOOTH	LS 500 SEP 93 AUG 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved 14 OCT 92 (Date)		
9. LAND ACQUISITION REQUIRED	None	(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY CODE	PROJECT TITLE	SCOPE
		COST (\$000)

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION						2. DATE
3. INSTALLATION AND LOCATION JEFFERSON BARRACKS ANG STATION MISSOURI							
11. PERSONNEL STRENGTH AS OF 7 JUL 93							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	74	11	49	14	530	70	460
ACTUAL	72	11	49	12	525	65	460
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>				<u>STRENGTH</u>			
				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
157	ACG	GP		145	149		
121	ACG	GP		90	85		
218	EIS			195	195		
131	CES			<u>100</u>	<u>96</u>		
TOTALS				530	525		
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>				<u>AUTHORIZED</u>	<u>ASSIGNED</u>		
AN/TPS 43E				1	1		
AN/TSQ 62				1	1		
AN/TSC 53				1	1		
S 530				2	2		
MD-4 Generator				1	1		
MD-2 Generator				1	1		
Support Equipment				517	517		
Vehicle Equivalents				342	342		

1. COMPONENT ANG	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION JEFFERSON BARRACKS ANG STATION MISSOURI		4. PROJECT TITLE REPLACE FUEL TANKS AND UPGRADE REFUELING VEHICLE/PAINT BOOTH		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER LTUY939782	8. PROJECT COST(\$000) \$500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE FUEL TANKS AND UPGRADE REFUELING VEHICLE/PAINT BOOTH	LS			405
REPLACE FUEL STORAGE TANKS	LS			(180)
ALTER PAINT BOOTH FACILITY	LS			(125)
UPGRADE REFUELING VEHICLE SHOP	LS			(100)
SUPPORTING FACILITIES				27
UTILITIES	LS		-	(5)
PAVEMENTS	LS			(2)
SITE RESTORATION	LS			(20)
SUBTOTAL				432
CONTINGENCY (10%)				43
TOTAL CONTRACT COST				475
SUPERVISION, INSPECTION AND OVERHEAD (5%)				24
TOTAL REQUEST				499
TOTAL REQUEST (ROUNDED)				500
10. Description of Proposed Construction: Replace 2 tanks. Excavate and remove the tanks. Dispose of the tanks, tank residue and the contaminated soil. Restore the sites. Alter Building 52 to house a paint spray booth and the refueling vehicle shop. Site work and utilities as required.				
11. REQUIREMENT: As required. PROJECT: Replace Fuel Tanks (UST) and Upgrade Refueling Vehicle/Paint Booth (Current Mission). REQUIREMENT: This is a level II environmental compliance project. Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Federal Environmental Protection Agency (EPA) has set standards that require that all regulated USTs have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible. A facility is required to accomplish corrosion control for government vehicles and equipment in a safe, efficient, and environmentally acceptable manner. An environmentally safe facility is also needed to maintain the refueling vehicles. CURRENT SITUATION: The USTs at this base have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring, and monthly inventory reconciliation and control. If these tasks are not performed, the base is subject to Notices of Violations by the Federal and State EPA. The existing paint spray booth has been condemned due to non-compliance with EPA and OSHA requirements. It is stored and cannot be used. The base has an existing building that is vacant and can be modified to fit the vehicle				

1. COMPONENT ANG	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION JEFFERSON BARRACKS ANG STATION MISSOURI		
4. PROJECT TITLE REPLACE FUEL TANKS AND UPGRADE REFUELING VEHICLE/PAINT BOOTH		5. PROJECT NUMBER LTUY939782
paint booth at one end and the refueling vehicle maintenance bay at the other end. The building has no environmental controls to contain fuel spills and air emissions. It has no explosion proof fixtures, inadequate ventilation, no floor drain, and no fume extraction system. The refueling vehicles are being maintained in an outdoor parking lot in an unsafe manner with no environmental controls and in violation of technical orders. <u>IMPACT IF NOT PROVIDED:</u> Non-compliance with statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage could have the potential to contaminate the soil and aquifer. Vehicle/equipment corrosion control is not being accomplished efficiently. Refueling vehicles are being maintained in an unsafe and environmentally deficient manner. Continue to live with the risk. Training could be curtailed and the ANG could receive unfavorable publicity. <u>ADDITIONAL:</u> All buildings at Jefferson Barracks are on the National Historic Register and must be upgraded to standards set by law.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
JEFFERSON BARRACKS ANG STATION MISSOURI		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FUEL TANKS AND UPGRADE REFUELING VEHICLE/PAINT BOOTH	LTUY939782	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 SEP 20	
(b) Percent Complete as of Jan 94	35%	
(c) Date 35% Designed	94 JAN 05	
(d) Date Design Complete	94 AUG 01	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)	
(a) Production of Plans and Specifications	21	
(b) All Other Design Costs	9	
(c) Total	30	
(d) Contract	30	
(e) In-house		
(4) Construction Start	95 JUL	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION LAMBERT ST LOUIS IAP ANG, MISSOURI	4. AREA CONSTR COST INDEX 1.00	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician force and for training.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air National Guard, 1 Air Force, 9 Army National Guard, 5 Army Reserve, 1 Navy Reserve, 1 Marine Corps Reserve, 1 Coast Guard Reserve		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995		
CATEGORY		COST DESIGN STATUS
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u> <u>(\$000)</u> <u>START</u> <u>CMPL</u>
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS 440 NOV 91 JUN 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved 14 OCT 92 (Date)		
9. LAND ACQUISITION REQUIRED	None	(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY		COST
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u> <u>(\$000)</u>
124-135	JET FUEL STORAGE COMPLEX	LS 4,250

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION						2. DATE
3. INSTALLATION AND LOCATION LAMBERT ST LOUIS IAP ANG, MISSOURI							
11. PERSONNEL STRENGTH AS OF 31 AUG 93							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	413	27	338	48	1,451	155	1,296
ACTUAL	408	26	336	46	1,371	153	1,218
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>					
		<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	131 FW	63	61				
	131 FW/DET	10	12				
	110 FS	51	49				
	131 CAM	463	443				
	131 MSS	46	48				
	131 MSF	38	37				
	131 RMS	120	113				
	131 HOSP	74	72				
	131 CES	124	102				
	131 SPF	57	58				
	131 CF	21	8				
	131 SF	34	29				
	239 CCS	195	191				
	571 BAND	36	33				
	110 WEA FT	18	19				
	231 CEF	41	42				
	8131 ST FLT	60	54				
	TOTALS	1,451	1,371				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	F-15A/B	18	24				
	C-12	1	1				
	C-26A	1	0				
	Support Equipment	300	317				
	Vehicle Equivalents	366	518				

1. COMPONENT ANG	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION LAMBERT ST LOUIS IAP ANG MISSOURI		4. PROJECT TITLE REPLACE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER MSQB909545	8. PROJECT COST(\$000) \$440	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE UNDERGROUND FUEL STORAGE TANKS	LS			320
SUPPORTING FACILITIES				64
UTILITIES	LS			(8)
PAVEMENTS	LS			(8)
SITE IMPROVEMENTS	LS			(48)
SUBTOTAL				384
CONTINGENCY (10%)				38
TOTAL CONTRACT COST				422
SUPERVISION, INSPECTION AND OVERHEAD (5%)				21
TOTAL REQUEST				443
TOTAL REQUEST (ROUNDED)				440
10. Description of Proposed Construction: Replace 8 tanks. Excavate and remove the tanks. Disposal of the tanks, tank residue and the contaminated soil. Restore the sites.				
11. REQUIREMENT: As required. PROJECT: Replace Underground Fuel Storage Tanks (UST) (Current Mission). REQUIREMENT: This is a level II environmental compliance project. Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Federal Environmental Protection Agency (EPA) has set standards that require that all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible. CURRENT SITUATION: The USTs at this base have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the base is subject to Notice of Violations by the Federal and/or State EPA. IMPACT IF NOT PROVIDED: Non-compliance with Statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage has the potential to contaminate the soil and aquifer. The ANG training could be curtailed and the ANG could receive unfavorable publicity.				

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
LAMBERT ST LOUIS IAP ANG MISSOURI		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	MSQB909545	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 NOV 08	
(b) Percent Complete as of Jan 94	65%	
(c) Date 35% Designed	93 NOV 01	
(d) Date Design Complete	94 JUN 30	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	22	
(b) All Other Design Costs	10	
(c) Total	32	
(d) Contract	32	
(e) In-house		
(4) Construction Start	95 MAY	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION GREAT FALLS IAP ANG, MONTANA		4. AREA CONSTR COST INDEX 1.19
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air Force Base, 1 Army Reserve Installation, 1 Naval Reserve Facility, 2 Army National Guard Facilities		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995		
CATEGORY CODE	PROJECT TITLE	SCOPE
		COST (\$000)
		DESIGN STATUS START CMPL
211-179	ADD TO AND ALTER FUEL CELL AND CORROSION CONTROL HANGAR	18,500 SF 1,150 AUG 91 MAY 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved		
		10 MAR 92 (Date)
9. LAND ACQUISITION REQUIRED	None	(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY CODE	PROJECT TITLE	SCOPE
		COST (\$000)
124-135	JET FUEL STORAGE COMPLEX	LS 4,150
216-642	MUNITIONS MAINTENANCE AND STORAGE COMPLEX	22,100 SF 3,500

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION						2. DATE
3. INSTALLATION AND LOCATION GREAT FALLS IAP ANG, MONTANA							
11. PERSONNEL STRENGTH AS OF 1 JUN 93							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	389	41	343	5	1,076	107	969
ACTUAL	361	31	325	5	1,063	105	958
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>					
		<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	120 FG HQ	52	53				
	120 OPS	42	40				
	186 FIS	22	21				
	120 LOG GP	18	16				
	120 AMS	379	386				
	120 LOG SQ	108	106				
	120 DET 1	18	17				
	120 SGMSS	42	46				
	120 COM SQ	42	37				
	120 SP FLT	84	83				
	120 CIV SQ	163	158				
	120 MWRS	25	26				
	120 CLINIC	55	48				
	120 ST HQ	26	26				
	TOTALS	1,076	1,063				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	F-16 Aircraft	18	20				
	C-26 Aircraft	1	1				
	Support Equipment	118	113				
	Vehicle Equivalents	298	321				

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION GREAT FALLS IAP ANG MONTANA			4. PROJECT TITLE ADD TO AND ALTER FUEL CELL AND CORROSION CONTROL HANGAR		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 211-179	7. PROJECT NUMBER JKSE919572	8. PROJECT COST(\$000) \$1,150		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
ADAL FUEL CELL/CORROSION CONTROL HANGAR	SF	18,500		898	
ADD TO HANGAR	SF	7,500	105	(788)	
ALTER HANGAR	SF	11,000	10	(110)	
SUPPORTING FACILITIES				140	
UTILITIES	LS			(25)	
PAVEMENTS	LS			(30)	
SITE IMPROVEMENTS	LS			(10)	
FIRE SUPPRESSION SYSTEM	LS			(75)	
SUBTOTAL				1,038	
CONTINGENCY (5%)				52	
TOTAL CONTRACT COST				1,090	
SUPERVISION, INSPECTION AND OVERHEAD (5%)				55	
TOTAL REQUEST				1,145	
TOTAL REQUEST (ROUNDED)				1,150	
10. Description of Proposed Construction: Concrete slab floor, apron, foundations and footings, insulated pre-engineered metal building with masonry walls. Ventilation system, oil/water separator, fire suppression and personnel breathing apparatus. All necessary utilities and support.					
11. REQUIREMENT: 17,000 SF ADEQUATE: 0 SUBSTANDARD: 11,000 SF PROJECT: Add to and Alter Fuel Cell and Corrosion Control Hangar (Current Mission). REQUIREMENT: This is a level II environmental compliance project. The base requires an adequate facility for performing both fuel cell maintenance and corrosion control with proper environmental controls. An environmentally safe facility is required to perform washing and solvent cleaning of the aircraft as well as painting of small aircraft parts. CURRENT SITUATION: The existing facility cannot accommodate the corrosion control function. This function is being performed outside, in violation of technical orders, safety and environmental compliance or inside where both functions must share the same hangar space. This results in unacceptable delays in both corrosion control and fuel systems maintenance. During the winter months the temperatures frequently drop to as low as -20 Degrees F making work on the ramp impossible. Inside only one of these functions can take place at a time. This project will expand the existing facility to allow for a second aircraft space and makes minor modifications to the existing bay to make both bays compatible. IMPACT IF NOT PROVIDED: Degraded training and maintenance delays due to the dual use of the hangar. Violations of technical orders, compromising both health and safety requirements and environmental requirements. Possible Notice Of Violations from the State or Federal EPA. Loss of training opportunities. Unable to reach full operational capability.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
GREAT FALLS IAP ANG MONTANA		
4. PROJECT TITLE	5. PROJECT NUMBER	
ADD TO AND ALTER FUEL CELL AND CORROSION CONTROL HANGAR	JKSE919572	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 AUG 06	
(b) Percent Complete as of Jan 94	40%	
(c) Date 35% Designed	93 NOV 30	
(d) Date Design Complete	94 MAY 15	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)	
(a) Production of Plans and Specifications	50	
(b) All Other Design Costs	26	
(c) Total	76	
(d) Contract	76	
(e) In-house		
(4) Construction Start	95 JUL	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION LINCOLN MUNICIPAL AIRPORT (ANG), NEBRASKA		4. AREA CONSTR COST INDEX 1.03
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Naval Reserve Center, 1 Army Reserve Training Center, 2 Army National Guard Facilities		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995		
CATEGORY CODE	PROJECT TITLE	SCOPE
		COST (\$000)
		DESIGN STATUS START CMPL
113-321	PARKING APRON AND HYDRANT REFUELING SYSTEM	LS 14,274
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS 500
		AUG 91 AUG 94
		NOV 91 MAY 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved		
27 MAY 93 (Date)		
9. LAND ACQUISITION REQUIRED		None
		(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY CODE	PROJECT TITLE	SCOPE
		COST (\$000)
171-450	MEDICAL TRAINING FACILITY (ANG/ARNG)	12,000 SF
214-425	COMPOSITE SUPPORT FACILITY	46,300 SF
		1,325
		5,200

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION						2. DATE
3. INSTALLATION AND LOCATION LINCOLN MUNICIPAL AIRPORT (ANG), NEBRASKA							
11. PERSONNEL STRENGTH AS OF 31 JUL 93							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	358	28	290	40	1,137	143	994
ACTUAL	308	25	280	3	1,006	130	876
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>				<u>STRENGTH</u>			
				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
HQ	NE ANG			26	22		
155	SVS FT			34	33		
155	RG HQ			63	54		
155	MSS SQ			44	49		
155	CAM SQ			418	341		
155	TC SQ			34	45		
155	CES SQ			124	118		
155	SPS FT			57	60		
155	MS FT			40	41		
155	RMS SQ			120	112		
173	RS SQ			156	85		
155	COMMFT			21	16		
8155	STU FT			0	30		
TOTALS				1,137	1,006		
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>				<u>AUTHORIZED</u>	<u>ASSIGNED</u>		
RF-4C Aircraft				18	13		
C-12 Aircraft				1	1		
KC-135 Aircraft				10	0		
Support Equipment				162	205		
Vehicle Equivalents				356	368		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
ANG					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
LINCOLN MUNICIPAL AIRPORT (ANG) NEBRASKA			PARKING APRON AND HYDRANT REFUELING SYSTEM		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55296F	113-321	NGCB909793	\$14,274		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PARKING APRON AND HYDRANT REFUELING	LS			10,812	
PARKING APRON	SY	54,000	96	(5,184)	
RELOCATE TAXIWAY	SY	20,000	85	(1,700)	
FOUR HYDRANT OUTLETS	LS			(400)	
JET FUEL LINE	LF	3,500	150	(525)	
JET FUEL STORAGE	BL	15,000	130	(1,950)	
OPERATIONS FACILITY	SF	1,650	-135	(223)	
LOADING/UNLOADING STANDS/PUMPHOUSES	LS			(830)	
SUPPORTING FACILITIES				1,500	
UTILITIES/SITE IMPROVEMENTS/DEMOLITION	LS			(1,500)	
SUBTOTAL				12,312	
CONTINGENCY (10%)				1,231	
TOTAL CONTRACT COST				13,543	
SUPERVISION, INSPECTION AND OVERHEAD (5%)				677	
TOTAL REQUEST				14,220	
TOTAL REQUEST (ROUNDED)				14,274	
10. Description of Proposed Construction: Concrete apron including ramp lights; relocate and upgrade taxiway with lights; install fuel lines/hydrants, fill stands and entry road. Two 7,500 barrel fuel storage tanks and operations facility. A wash rack with deice pad. All utilities and support including parking for refuelers and other vehicles. Demolish old facilities and fuel tanks. All utilities and support.					
Air Conditioning: 5 Tons.					
11. REQUIREMENT: As required.					
PROJECT: Parking Apron and Hydrant Refueling System (New Mission).					
REQUIREMENT: The project supports the conversion from 18 RF-4 to 10 KC-135 aircraft in January 1994 and is also a level II environmental compliance project. Larger sized aircraft require additional parking ramp area, taxiway lanes and delivery of fuel through a hydrant system. Replacement of the jet fuel storage facility is required to support the new hydrant system. Exterior wash and deicing apron to clean aircraft in an environmentally safe manner.					
CURRENT SITUATION: The aircraft parking ramp, sized for RF4-C's, is inadequate for KC-135's. No hydrant system exists. The underground fuel storage tanks are undersized and cannot be upgraded. They are inadequate to support the new hydrant system. The tanks will be in violation of Federal and State EPA statutes which requires these tanks to be replaced with above ground tanks by 1998. The jet fuel storage cannot be upgraded to meet the constant pressure requirement of an hydrant refueling system. There is no wash and deice area. The taxiway must be relocated to provide adequate clearance for aircraft movement. Until this project is completed the KC-135 aircraft will be parked, on a temporary basis, on the opposite side of the runway, on the commercial ramp. This is not an ideal					

1. COMPONENT ANG	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION LINCOLN MUNICIPAL AIRPORT (ANG) NEBRASKA		
4. PROJECT TITLE PARKING APRON AND HYDRANT REFUELING SYSTEM	5. PROJECT NUMBER NGCB909793	
solution, but it is the only solution. The aircraft will be parked approximately 2 miles from the hangar/shops and the rest of the ANG area. The pavements on the commercial side have been temporarily upgraded to accommodate a short term use. The pavement will fail if the use is extended. In addition, the pavement will be needed by the expanding commercial operation. Refueling will have to be done by trucks. Temporary buildings have been leased from the commercial airport authority. <u>IMPACT IF NOT PROVIDED:</u> Unable to permanently beddown the KC-135 aircraft at this location. Loss of training opportunities. If the pavement fails, the aircraft will have to be relocated to another location within the state. Unable to reach full operational capabilities. <u>ADDITIONAL:</u> An exception to the economic analysis has been prepared. The paper presents the rationale that due to operational reasons there is only one alternative which is to construct the required facilities. A full economic analysis was not accomplished.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
LINCOLN MUNICIPAL AIRPORT (ANG) NEBRASKA		
4. PROJECT TITLE	5. PROJECT NUMBER	
PARKING APRON AND HYDRANT REFUELING SYSTEM	NGCB909793	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 AUG 13	
(b) Percent Complete as of Jan 94	35%	
(c) Date 35% Designed	93 DEC 30	
(d) Date Design Complete	- 94 AUG 15	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	740	
(b) All Other Design Costs	250	
(c) Total	990	
(d) Contract	990	
(e) In-house		
(4) Construction Start	95 AUG	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
ANG					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
LINCOLN MUNICIPAL AIRPORT (ANG) NEBRASKA			REPLACE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55256F	124-135	NGCB909559	\$500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE UNDERGROUND FUEL STORAGE TANKS		LS			360
SUPPORTING FACILITIES					72
UTILITIES		LS			(9)
PAVEMENTS		LS			(9)
SITE RESTORATION		LS			(54)
SUBTOTAL					432
CONTINGENCY (10%)					43
TOTAL CONTRACT COST					475
SUPERVISION, INSPECTION AND OVERHEAD (5%)					24
TOTAL REQUEST					499
TOTAL REQUEST (ROUNDED)					500
10. Description of Proposed Construction: Replace 9 tanks. Excavate and remove the tanks. Dispose of the tanks, tank residue and the contaminated soil. Restore the sites.					
11. REQUIREMENT: As required.					
PROJECT: Replace Underground Fuel Storage Tanks (UST) (Current Mission).					
REQUIREMENT: This is a level II environmental compliance project.					
Upgrade all USTs regulated by 40 CFR 280 to new construction standards.					
The Federal Environmental Protection Agency (EPA) has set standards that require that all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible.					
CURRENT SITUATION: The USTs at this base have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. In addition, the State of Nebraska regulates also heating oil tanks. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the base is subject to Notice of Violations by the Federal and/or State EPA.					
IMPACT IF NOT PROVIDED: Non-compliance with Statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage has the potential to contaminate the soil and aquifer. The ANG training could be curtailed and the ANG could receive unfavorable publicity.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
LINCOLN MUNICIPAL AIRPORT (ANG) NEBRASKA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	NGCB909559	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 NOV 08	
(b) Percent Complete aa of Jan 94	65%	
(c) Date 35% Designed	93 MAY 15	
(d) Date Design Complete	94 MAY 01	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	25	
(b) All Other Design Costs	10	
(c) Total	35	
(d) Contract	35	
(e) In-house		
(4) Construction Start	95 JUN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY			4. AREA CONSTR COST INDEX 1.10	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily training by technician/AGR force and for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 2 Army National Guard Armories, 1 Naval Facility and 1 Active Army Fort.				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START CMPL
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS	1,000	NOV 91 JUN 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
				15 NOV 93 (Date)
9. LAND ACQUISITION REQUIRED		None	(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	
141-753	ALTER SQUADRON OPERATIONS FACILITY	26,400 SF	750	
171-445	ALTER OPERATIONS AND TRAINING FACILITY	22,300 SF	1,450	
211-179	FUEL SYSTEMS MAINTENANCE HANGAR	26,000 SF	5,000	
219-944	COMPOSITE BASE CIVIL ENGINEER MAINTENANCE FACILITY	24,000 SF	3,800	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION					2. DATE	
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY							
11. PERSONNEL STRENGTH AS OF 21 OCT 93							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	659	75	542	42	1,989	278	1,711
ACTUAL	560	70	448	42	1,889	272	1,617
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>		<u>STRENGTH</u>					
		<u>AUTHORIZED</u>	<u>ACTUAL</u>				
HQ	NJ ANG	31	32				
HQ	108ARW	69	71				
141	ARS	74	97				
108	CAM	359	341				
108	MSS	46	48				
108	CLINIC	57	57				
108	CES	100	101				
108	SPF	62	63				
108	RMS	120	110				
GR	108ARW	11	11				
108	COMM	21	16				
1088	MS FT	31	32				
204	WEA FT	17	26				
108	SVS FL	25	26				
HQ	170ARG	71	68				
150	AREFS	74	75				
170	CAM	359	295				
170	MSS	46	43				
170	CLINIC	55	53				
170	CES	119	98				
170	SPF	62	61				
170	ORMS	120	109				
170M	S FLT	33	32				
170	SVCFLT	27	24				
TOTALS		1,989	1,889				
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>		<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
KC-135 Aircraft		20	20				
C-135B		1	1				
C-26A		1	1				
Support Equipment		300	300				
Vehicle Equivalents		372	372				

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE NEW JERSEY			4. PROJECT TITLE REPLACE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER PTFL909643	8. PROJECT COST(\$000) \$1,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE UNDERGROUND FUEL STORAGE TANKS		LS			770
SUPPORTING FACILITIES					100
UTILITIES		LS			(20)
PAVEMENTS		LS			(10)
SITE RESTORATION		LS			(70)
SUBTOTAL					870
CONTINGENCY (10%)					87
TOTAL CONTRACT COST					957
SUPERVISION, INSPECTION AND OVERHEAD (5%)					48
TOTAL REQUEST					1,005
TOTAL REQUEST (ROUNDED)					1,000
10. Description of Proposed Construction: Replace 17 tanks, remove only 13 other tanks and upgrade with monitoring control 4 additional tanks. Remove tanks. Dispose of tanks and tank residue. Remove contaminated soil and restore the sites.					
11. REQUIREMENT: As required. PROJECT: Replace Underground Fuel Storage Tanks (UST) (Current Mission). REQUIREMENT: This is a level II environmental compliance project. Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Federal Environmental Protection Agency (EPA) has set standards that require that all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible. CURRENT SITUATION: The USTs at this base have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the base is subject to Notice of Violations by the Federal and/or State EPA. IMPACT IF NOT PROVIDED: Non-compliance with Statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage has the potential to contaminate the soil and aquifer. The ANG training could be curtailed and the ANG could receive unfavorable publicity.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
MCGUIRE AIR FORCE BASE NEW JERSEY		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	PTFL909643	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		91 NOV 08
(b) Percent Complete as of Jan 94		65%
(c) Date 35% Designed		93 JUL 30
(d) Date Design Complete		94 JUN 15
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		73
(b) All Other Design Costs		40
(c) Total		113
(d) Contract		113
(e) In-house		
(4) Construction Start		95 MAY
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO			4. AREA CONSTR COST INDEX 1.00	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 3 Army National Guard Armories, 2 Army Reserve Facilities, 1 Naval/Marine Reserve Facility				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START CMPL
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS	900	NOV 91 AUG 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
			28 JAN 93 (Date)	
9. LAND ACQUISITION REQUIRED		None		
		(Number of Acres)		
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	
211-111	ALTER AIRCRAFT MAINTENANCE HANGAR AND SHOPS	32,200 SF	1,000	
211-157	AIRCRAFT ENGINE AND NON DESTRUCTIVE INSPECTION SHOPS	16,500 SF	2,300	
211-159	AIRCRAFT CORROSION CONTROL FACILITY	11,300 SF	1,600	
216-642	MUNITIONS MAINTENANCE AND STORAGE COMPLEX	17,900 SF	2,500	
217-713	LANTIRN MAINTENANCE FACILITY	5,300 SF	620	
442-758	ADD TO AND ALTER BASE SUPPLY WAREHOUSE	41,000 SF	1,850	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION						2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO							
11. PERSONNEL STRENGTH AS OF 24 AUG 93							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	365	37	304	24	1,184	124	1,060
ACTUAL	360	37	299	24	1,071	125	946
12. RESERVE UNIT DATA							
				<u>STRENGTH</u>			
<u>UNIT DESIGNATION</u>				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
HQ	NM ANG			30	28		
150	FG HQ			59	59		
150	TCI CI			33	40		
150	MSS SQ			45	43		
150	CLM SQ			561	473		
150	CES SQ			100	92		
150	SVS FT			34	32		
150	SEP FL			57	61		
150	RMS SQ			120	108		
150	CMN FT			21	24		
150	MSS FT			33	29		
188	TFS SQ			56	55		
8150	STU FT			35	27		
TOTALS				1,184	1,071		
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>		<u>AUTHORIZED</u>		<u>ASSIGNED</u>			
F-16 Aircraft		24		32			
C-26 Aircraft		1		1			
Support Equipment		85		80			
Vehicle Equivalents		171		82			

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE NEW MEXICO			4. PROJECT TITLE REPLACE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 56256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER MHMV929687	8. PROJECT COST(\$000) \$900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE UNDERGROUND FUEL STORAGE TANKS		LS			520
SUPPORTING FACILITIES					258
PAVEMENTS		LS			(13)
UTILITIES		LS			(10)
SITE RESTORATION		LS			(75)
SERVICE ISLAND		LS			(160)
SUBTOTAL				-	778
CONTINGENCY (10%)					78
TOTAL CONTRACT COST					856
SUPERVISION, INSPECTION AND OVERHEAD (5%)					43
TOTAL REQUEST					899
TOTAL REQUEST (ROUNDED)					900
10. Description of Proposed Construction: Replace 13 tanks. Excavate and remove the tanks. Dispose of the tanks, tank residue and the contaminated soil and restore the sites. Provide service island with fuel pumps/dispensers, air and water. Asphalt paving in parking area around service area. <u>Site improvement and utilities.</u>					
11. REQUIREMENT: As required. <u>PROJECT:</u> Replace Underground Fuel Storage Tanks (UST) (Current Mission). <u>REQUIREMENT:</u> This is a level II environmental compliance project. Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Federal Environmental Protection Agency (EPA) has set standards that require that all regulated USTs have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible. <u>CURRENT SITUATION:</u> The USTs at this base have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the base is subject to Notice of Violations by the Federal and/or State EPA. <u>IMPACT IF NOT PROVIDED:</u> Non-compliance with Statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage has the potential to contaminate the soil and aquifer. The ANG training could be curtailed and the ANG could receive unfavorable publicity.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
KIRTLAND AIR FORCE BASE NEW MEXICO		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	MHMV929687	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 NOV 08	
(b) Percent Complete as of Jan 94	65%	
(c) Date 35% Designed	93 AUG 15	
(d) Date Design Complete	94 AUG 15	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	36	
(b) All Other Design Costs	15	
(c) Total	51	
(d) Contract	51	
(e) In-house		
(4) Construction Start	95 MAY	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION HANCOCK FIELD ANG, NEW YORK			4. AREA CONSTR COST INDEX 1.14	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Army Telecommunications Center, 4 Army National Guard Armories, 1 Naval Reserve Center, 1 Marine Reserve Center and 2 Army Reserve Units				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START Cmpl
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS	580	MAR 90 JUL 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
			18 NOV 92 (Date)	
9. LAND ACQUISITION REQUIRED		None		
		(Number of Acres)		
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	
171-450	MEDICAL TRAINING FACILITY	15,400 SF	2,000	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE		
3. INSTALLATION AND LOCATION HANCOCK FIELD ANG, NEW YORK							
11. PERSONNEL STRENGTH AS OF 1 JUL 92							
	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	394	12	77	305	1,405	176	1,229
ACTUAL	262	11	76	175	1,370	158	1,212
12. RESERVE UNIT DATA							
UNIT DESIGNATION				STRENGTH			
				AUTHORIZED	ACTUAL		
108 ACS SQ				90	87		
113 ACS SQ				91	92		
138 FS SQ				51	45		
152 AGC GP				145	116		
174 TW HQ				55	53		
174 ALO				3	3		
174 CAMCSQ				461	441		
174 CES SQ				124	124		
174 CF FT				21	19		
174 CLN				70	62		
174 DET1				11	8		
174 MSF				34	32		
174 SPS FT				45	46		
8174 STU FT				120	131		
174 SPS FT				57	66		
174 ALO				27	26		
8174 STU FT				0	19		
TOTALS				1,405	1,370		
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE				AUTHORIZED	ASSIGNED		
F-16 A/B Aircraft				18	18		
TPS 43E Radar				2	2		
Support Equipment				200	198		
Vehicle Equivalents				660	847		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
ANG					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
HANCOCK FIELD ANG NEW YORK			REPLACE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55256F	124-135	HAAW909555	\$580		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE UNDERGROUND FUEL STORAGE TANKS		LS			400
SUPPORTING FACILITIES					100
SITE RESTORATION		LS			(100)
SUBTOTAL					500
CONTINGENCY (10%)					50
TOTAL CONTRACT COST					550
SUPERVISION, INSPECTION AND OVERHEAD (5%)				-	28
TOTAL REQUEST					578
TOTAL REQUEST (ROUNDED)					580
10. Description of Proposed Construction: Remove 22 underground and 5 above ground tanks. Excavate and remove the tanks. Dispose of the tanks, tank residue and contaminated soil. Restore the sites. Convert system to natural gas.					
11. REQUIREMENT: As required.					
PROJECT: Replace Underground Fuel Storage Tanks (UST) (Current Mission).					
REQUIREMENT: This is a level II environmental compliance project.					
Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Federal Environmental Protection Agency (EPA) has set standards that require that all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible.					
CURRENT SITUATION: The USTs at this base have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the base is subject to Notice of Violations by the Federal and/or State EPA.					
IMPACT IF NOT PROVIDED: Non-compliance with Statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage has the potential to contaminate the soil and aquifer. The ANG training could be curtailed and the ANG could receive unfavorable publicity.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
HANCOCK FIELD ANG NEW YORK		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	HAAW909555	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	90 MAR 05	
(b) Percent Complete as of Jan 94	65%	
(c) Date 35% Designed	93 JUN 15	
(d) Date Design Complete	94 JUL 15	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	30	
(b) All Other Design Costs	15	
(c) Total	45	
(d) Contract	45	
(e) In-house		
(4) Construction Start	95 AUG	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION NIAGARA FALLS INTERNATIONAL AIRPORT, NEW YORK			4. AREA CONSTR COST INDEX 1.14	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, and daily use by technician/AGR force and for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air Force Reserve - On Base 1 Army National Guard - Niagara Falls, 4 Miles				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START CMPL
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS	640	NOV 91 AUG 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
9. LAND ACQUISITION REQUIRED			None	18 NOV 92 (Date)
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	(Number of Acres)
111-115	UPGRADE RUNWAY OVERRUN	12,400 SY	2,450	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION					2. DATE	
3. INSTALLATION AND LOCATION NIAGARA FALLS INTERNATIONAL AIRPORT, NEW YORK							
11. PERSONNEL STRENGTH AS OF 31 JUL 93							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	365	25	335	5	1,038	103	935
ACTUAL	344	21	319	4	992	98	894
12. RESERVE UNIT DATA							
				<u>STRENGTH</u>			
<u>UNIT DESIGNATION</u>				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
107	GROUP			63	58		
136	FT SQ			39	40		
107	CAM			408	375		
107	CES			136	120		
107	MIS SP			45	41		
107	MIS FT			41	37		
107	CLINIC			55	49		
107	RMS			119	121		
107	SEC FT			86	82		
107	SEV FT			25	24		
107	FG/DET			21	21		
8107	ST FL			0	24		
TOTALS				1,038	992		
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>				<u>AUTHORIZED</u>	<u>ASSIGNED</u>		
F-16 Aircraft				18	20		
KC-135 Aircraft				10	0		
Support Equipment				106	103		
Vehicle Equivalents				208	208		

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION NIAGARA FALLS INTERNATIONAL AIRPORT NEW YORK			4. PROJECT TITLE REPLACE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER RVK0909648	8. PROJECT COST(\$000) \$640		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE UNDERGROUND FUEL STORAGE TANKS		LS			460
SUPPORTING FACILITIES					94
PAVEMENTS		LS			(11)
UTILITIES		LS			(11)
SITE RESTORATION		LS			(72)
SUBTOTAL					554
CONTINGENCY (10%)				-	55
TOTAL CONTRACT COST					609
SUPERVISION, INSPECTION AND OVERHEAD (5%)					30
TOTAL REQUEST					639
TOTAL REQUEST (ROUNDED)					640
10. Description of Proposed Construction: Replace 11 tanks and remove only 1 other. Excavate and remove the tanks. Dispose of tanks, tank residue and the contaminated soil. Restore the sites.					
11. REQUIREMENT: As required. PROJECT: Replace Underground Fuel Storage Tanks (UST) (Current Mission). REQUIREMENT: This is a level II environmental compliance project. Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Federal Environmental Protection Agency (EPA) has set standards that require that all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible. CURRENT SITUATION: The USTs at this base have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the base is subject to Notice of Violations by the Federal and/or State EPA. IMPACT IF NOT PROVIDED: Non-compliance with Statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage has the potential to contaminate the soil and aquifer. The ANG training could be curtailed and the ANG could receive unfavorable publicity.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
NIAGARA FALLS INTERNATIONAL AIRPORT NEW YORK		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	RVK0909648	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		91 NOV 08
(b) Percent Complete as of Jan 94		65%
(c) Date 35% Designed		93 JUL 15
(d) Date Design Complete		94 AUG 01
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		32
(b) All Other Design Costs		15
(c) Total		47
(d) Contract		
(e) In-house		47
(4) Construction Start		95 AUG
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION CHARLOTTE/DOUGLAS INTERNAT'L APT, NORTH CAROLINA		4. AREA CONSTR COST INDEX 0.79
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 6 Army National Guard, 8 Army Reserve, 1 Navy Reserve and 1 Marine Reserve		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995		
CATEGORY		COST DESIGN STATUS
CODE	PROJECT TITLE	SCOPE (\$000) START CMPL
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS 690 NOV 91 MAY 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved 9 DEC 92 (Date)		
9. LAND ACQUISITION REQUIRED	None	(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY		COST
CODE	PROJECT TITLE	SCOPE (\$000)
171-449	AEROMED EVACUATION TRAINING FACILITY	13,100 SF 1,950
211-179	ADD TO AND ALTER FUEL CELL CORROSION CONTROL FACILITY	16,500 SF 1,500

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE	
3. INSTALLATION AND LOCATION CHARLOTTE/DOUGLAS INTERNAT'L APT, NORTH CAROLINA						
11. PERSONNEL STRENGTH AS OF 15 JUL 93						
	PERMANENT				GUARD/RESERVE	
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER ENLISTED
AUTHORIZED	309	30	259	20	1,303	208 1,095
ACTUAL	304	29	255	20	1,332	216 1,116
12. RESERVE UNIT DATA						
UNIT DESIGNATION		STRENGTH				
		AUTHORIZED	ACTUAL			
HQ	NC ANG	32	32			
145	AG HQ	58	60			
145	CAM SQ	266	273			
145	CE SQ	124	118			
145	MAP SQ	172	162			
145	MS FT	41	39			
145	MS SQ	45	45			
145	RM SQ	121	123			
145	SP FT	57	62			
145	SV FT	36	34			
145	TAC CL	73	69			
145	TCI CI	6	7			
156	AME SQ	124	127			
156	TAL SQ	128	136			
156	WEA FT	20	19			
8145	STU FT	0	26			
TOTALS		1,303	1,332			
13. MAJOR EQUIPMENT AND AIRCRAFT						
TYPE		AUTHORIZED	ASSIGNED			
C-130 Aircraft		12	12			
Support Equipment		180	180			
Vehicle Equivalents		265	265			

1. COMPONENT ANG	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION CHARLOTTE/DOUGLAS INTERNAT'L APT NORTH CAROLINA		4. PROJECT TITLE REPLACE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER FJRP909596	8. PROJECT COST(\$000) \$690	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE UNDERGROUND FUEL STORAGE TANKS	LS			510
SUPPORTING FACILITIES				85
UTILITIES	LS			(10)
PAVEMENTS	LS			(10)
SITE RESTORATION	LS			(65)
SUBTOTAL				595
CONTINGENCY (10%)				60
TOTAL CONTRACT COST				655
SUPERVISION, INSPECTION AND OVERHEAD (5%)				33
TOTAL REQUEST				688
TOTAL REQUEST (ROUNDED)				690
10. Description of Proposed Construction: Replace 12 tanks. Remove 1 tank. Excavate and remove the tanks. Dispose of the tanks, tank residue and contaminated soil. Restore the sites.				
11. REQUIREMENT: As required. PROJECT: Replace Underground Fuel Storage Tanks (UST) (Current Mission). REQUIREMENT: This is a level II environmental compliance project. Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Federal Environmental Protection Agency (EPA) has set standards that require that all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible. CURRENT SITUATION: The USTs at this base have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the base is subject to Notice of Violations by the Federal and/or State EPA. IMPACT IF NOT PROVIDED: Non-compliance with Statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage has the potential to contaminate the soil and aquifer. The ANG training could be curtailed and the ANG could receive unfavorable publicity.				

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
CHARLOTTE/DOUGLAS INTERNAT'L APT NORTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	FJRP909596	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		91 NOV 08
(b) Percent Complete as of Jan 94		65%
(c) Date 35% Designed		93 MAY 15
(d) Date Design Complete		94 MAY 01
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		36
(b) All Other Design Costs		15
(c) Total		51
(d) Contract		51
(e) In-house		
(4) Construction Start		95 JUN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION MANSFIELD LAHM AIRPORT ANG, OHIO			4. AREA CONSTR COST INDEX 1.01	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, four weekend split unit training assemblies per month, 15 days annual training per year, daily use by air technician force plus three evenings per week in support of flying training activities.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Army National Guard Armory and 1 Army Reserve Training Center				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START CMPL
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS	770	NOV 91 APR 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
9. LAND ACQUISITION REQUIRED			None	22 JUN 93 (Date)
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	(Number of Acres)
141-753	SQUADRON OPERATIONS AND COMMUNICATIONS FACILITY	29,500 SF	5,400	
171-445	COMPOSITE OPERATIONAL TRAINING FACILITY	21,000 SF	3,550	
730-835	SECURITY POLICE OPERATIONS FACILITY	6,500 SF	1,300	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE		
3. INSTALLATION AND LOCATION MANSFIELD LAHM AIRPORT ANG, OHIO							
11. PERSONNEL STRENGTH AS OF 10 JUN 93							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	271	3	43	225	945	126	819
ACTUAL	263	3	43	217	908	122	786
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>		<u>STRENGTH</u>					
		<u>AUTHORIZED</u>	<u>ACTUAL</u>				
179	AIR GP	63	58				
164	AIR SQ	90	90				
179	CAM SQ	178	164				
179	RMS SQ	120	115				
179	MAP SQ	106	90				
179	CE SQ	156	130				
179	SVS FT	25	26				
179	MED SQ	73	66				
179	MSS SQ	37	37				
179	MSS FT	40	37				
179	SEP FT	57	52				
8179	STD FT	0	43				
TOTALS		945	908				
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>					
C-130H Aircraft	8	8					
Support Equipment	146	146					
Vehicle Equivalents	327	370					

1. COMPONENT ANG	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MANSFIELD AIRPORT ANG LAHM OHIO		4. PROJECT TITLE REPLACE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER PBXP909533	8. PROJECT COST(\$000) \$770	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE UNDERGROUND FUEL STORAGE TANKS	LS			590
SUPPORTING FACILITIES				74
UTILITIES	LS			(17)
PAVEMENTS	LS			(17)
SITE RESTORATION	LS			(40)
SUBTOTAL				664
CONTINGENCY (10%)				66
TOTAL CONTRACT COST				730
SUPERVISION, INSPECTION AND OVERHEAD (5%)				37
TOTAL REQUEST				767
TOTAL REQUEST (ROUNDED)				770
10. Description of Proposed Construction: Replace 17 tanks and remove only one other. Excavate and remove the tanks. Dispose of the tanks, tank residue and the contaminated soil. Restore the sites.				
11. REQUIREMENT: As required. PROJECT: Replace Underground Fuel Storage Tanks (UST) (Current Mission). REQUIREMENT: This is a level II environmental compliance project. Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Federal Environmental Protection Agency (EPA) has set standards that require that all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible. CURRENT SITUATION: The USTs at this base have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the base is subject to Notice of Violations by the Federal and/or State EPA. IMPACT IF NOT PROVIDED: Non-compliance with Statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage has the potential to contaminate the soil and aquifer. The ANG training could be curtailed and the ANG could receive unfavorable publicity.				

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
MANSFIELD AIRPORT ANG LAHM OHIO		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	PBXP909533	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		91 NOV 08
(b) Percent Complete as of Jan 94		60%
(c) Date 35% Designed		93 AUG 15
(d) Date Design Complete		94 APR 15
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		45
(b) All Other Design Costs		20
(c) Total		65
(d) Contract		65
(e) In-house		
(4) Construction Start		95 MAY
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION SPRINGFIELD BECKLEY MUNICIPAL APT, OHIO			4. AREA CONSTR COST INDEX 1.03	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 2 Naval Reserve Centers, 2 Army National Guard Units, 2 Army Reserve Units, 2 Marine Corps Reserve Centers, 1 Air Force Base and 1 Defense Supply Center				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY			COST	DESIGN STATUS
CODE	PROJECT TITLE	SCOPE	(\$000)	START CMPL
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS	400	NOV 91 APR 94
211-179	ADD TO AND ALTER FUEL CELL AND CORROSION CONTROL FACILITY	17,000 SF	1,250	SEP 89 NOV 93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Joint/Unilateral Construction Approved				
				22 JUN 93 (Date)
9. LAND ACQUISITION REQUIRED		None	(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY			COST	
CODE	PROJECT TITLE	SCOPE	(\$000)	
124-135	JET FUEL STORAGE COMPLEX	LS	4,000	
171-450	MEDICAL TRAINING AND DINING HALL FACILITY	27,600 SF	4,300	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE		
3. INSTALLATION AND LOCATION SPRINGFIELD BECKLEY MUNICIPAL APT, OHIO							
11. PERSONNEL STRENGTH AS OF 31 JUL 93							
	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	386	31	305	50	1,211	131	1,080
ACTUAL	333	21	263	49	1,110	122	988
12. RESERVE UNIT DATA							
UNIT DESIGNATION				STRENGTH			
				AUTHORIZED	ACTUAL		
178	FTR GP	56	50				
162	FTR SQ	50	53				
178	CAM SQ	389	366				
178	MSS SQ	45	38				
178	HOSP	51	51				
178	RMS SQ	120	118				
178	SEP FT	57	48				
178	CES SQ	136	119				
178	SVC FT	34	27				
178	MSS FT	38	36				
178	COM FT	21	20				
251	CCS GP	61	52				
269	CCS SQ	153	132				
TOTALS		1,211	1,110				
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE		AUTHORIZED		ASSIGNED			
F-16 Aircraft		18		18			
Support Equipment		128		122			
Vehicle Equivalents		181		400			

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION SPRINGFIELD BECKLEY MUNICIPAL APT OHIO			4. PROJECT TITLE ADD TO AND ALTER FUEL CELL AND CORROSION CONTROL FACILITY		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 211-179	7. PROJECT NUMBER WAAR889648	8. PROJECT COST(\$000) \$1,250		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
ADD/ALTER FUEL CELL/CORROSION CONTROL		SF	17,000		820
ALTER FUEL HANGAR		SF	11,000	20	(220)
ADD TO CORROSION CONTROL HANGAR		SF	6,000	100	(600)
SUPPORTING FACILITIES					310
UTILITIES		LS			(50)
PAVEMENTS		LS			(50)
SITE IMPROVEMENTS		LS		-	(10)
FIRE SUPPRESSION SYSTEM		LS			(200)
SUBTOTAL					1,130
CONTINGENCY (5%)					57
TOTAL CONTRACT COST					1,187
SUPERVISION, INSPECTION AND OVERHEAD (5%)					59
TOTAL REQUEST					1,246
TOTAL REQUEST (ROUNDED)					1,250
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab. Structural steel framing with masonry walls to match existing construction. Interior alteration to provide a functional layout compatible with the addition. Fire protection and utilities and support. Air Conditioning: 5 Tons.					
11. REQUIREMENT: 17,000 SF ADEQUATE: 0 SUBSTANDARD: 11,000 SF PROJECT: Add to and Alter Fuel Cell and Corrosion Control Facility (Current Mission). REQUIREMENT: This is a level II environmental compliance project. Increased requirements in both fuel cell maintenance and corrosion control require dedicated areas for the performance of each function. The corrosion control section requires an area to wash the aircraft and areas to safely store and mix paints, sandblast and paint small parts and perform limited aircraft painting. Additional personnel require more administrative, training and latrine space. CURRENT SITUATION: The F-16 aircraft is more fuel cell maintenance intensive. Both fuel cell maintenance and corrosion control work are being accomplished in a single open bay. Only one of these functions can take place at a time, which leads to unacceptable delays in required maintenance and training. There are no areas for the storage and mixing of small quantities of paint which meet standards, nor are there available areas for sandblasting and the painting of small parts. Administrative and latrine areas are undersized for the number of assigned personnel. The facility out of compliance with EPA air/water standards. IMPACT IF NOT PROVIDED: Maintenance delays. Mission degradation. Unable to achieve full operational capability. Environmental contamination of the water, ground, and air.					

1. COMPONENT ANG	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SPRINGFIELD BECKLEY MUNICIPAL APT OHIO		
4. PROJECT TITLE ADD TO AND ALTER FUEL CELL AND CORROSION CONTROL FACILITY		5. PROJECT NUMBER WAAR889648
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		89 SEP 25
(b) Percent Complete as of Jan 94		100%
(c) Date 35% Designed		92 FEB 04
(d) Date Design Complete		93 NOV 15
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		41
(b) All Other Design Costs		30
(c) Total		71
(d) Contract		71
(e) In-house		
(4) Construction Start		95 MAY
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION TOLEDO EXPRESS AIRPORT ANG, OHIO			4. AREA CONSTR COST INDEX 1.04	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 4 Army National Guard Armories, 2 Army Reserve Facilities, 1 Marine Reserve Facility, 1 Coast Guard Reserve Facility and 1 Naval Reserve Facility				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY			COST	DESIGN STATUS
CODE	PROJECT TITLE	SCOPE	(\$000)	START CMPL
832-266	AIRCRAFT DEICING APRON	LS	320	SEP 93 AUG 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
			22 JUN 93 (Date)	
9. LAND ACQUISITION REQUIRED		None		
		(Number of Acres)		
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY			COST	
CODE	PROJECT TITLE	SCOPE	(\$000)	
216-642	MUNITIONS STORAGE COMPLEX	15,700 SF	3,550	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE		
3. INSTALLATION AND LOCATION TOLEDO EXPRESS AIRPORT ANG, OHIO							
11. PERSONNEL STRENGTH AS OF 30 JUN 93							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	325	22	261	42	1,112	111	1,001
ACTUAL	318	22	261	35	1,069	102	967
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>		<u>STRENGTH</u>					
		<u>AUTHORIZED</u>	<u>ACTUAL</u>				
180	CES	131	121				
180	SVF	34	35				
180	SPF	57	57				
180	MSS	36	35				
180	COMM	55	39				
SPT	STAFF	6	6				
180	CAM	460	421				
LOGI	SQ	107	109				
LOG	GP HQ	6	5				
OPS	GP	67	65				
GP	STAFF	44	40				
180	CLINIC	73	63				
555	BAND	36	37				
STU	FIGHT	0	36				
	TOTALS	1,112	1,069				
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>					
F-16 Aircraft	18	20					
Support Equipment	124	103					
Vehicle Equivalents	220	207					

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION TULSA INTERNATIONAL AIRPORT, OKLAHOMA			4. AREA CONSTR COST INDEX 0.88	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 2 Army National Guard Armories, 1 Army National Guard Medical Company, 1 Army Reserve Armory				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START CMPL
CODE				
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS	700	NOV 91 JUL 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
				6 OCT 93 (Date)
9. LAND ACQUISITION REQUIRED		None	(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	
CODE				
131-111	COMPOSITE COMMUNICATIONS FACILITY	18,600 SF	2,000	
214-428	ADD VEH MAINT SHED/REF SHED	8,700 SF	1,000	
722-351	DINING HALL AND MEDICAL TRAINING FACILITY	32,400 SF	4,400	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE		
3. INSTALLATION AND LOCATION TULSA INTERNATIONAL AIRPORT, OKLAHOMA							
11. PERSONNEL STRENGTH AS OF 25 SEP 93							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	246	28	182	36	1,205	114	1,091
ACTUAL	252	24	200	28	1,049	104	945
12. RESERVE UNIT DATA							
				<u>STRENGTH</u>			
<u>UNIT DESIGNATION</u>				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
125	FS	SQ		49	51		
125	WEA	FL		14	12		
138	FG	HQ		59	51		
138	MSS	SQ		45	43		
138	TAC	CL		35	31		
138	CES	SQ		124	112		
138	SPF			57	52		
138	RMS	SQ		101	93		
138	CAM	SQ		454	384		
138	COM	FT		21	14		
138	MSF	FT		40	33		
138	SVS	FT		34	30		
219	EIS	SQ		172	143		
TOTALS				1,205	1,049		
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>				<u>AUTHORIZED</u>	<u>ASSIGNED</u>		
F-16 Aircraft				18	13		
Support Equipment				167	147		
Vehicle Equivalents				274	285		

1. COMPONENT ANG	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION TULSA INTERNATIONAL AIRPORT OKLAHOMA		4. PROJECT TITLE REPLACE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 56256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER XHZG909609	8. PROJECT COST(\$000) \$700	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE UNDERGROUND FUEL STORAGE TANKS	LS			535
SUPPORTING FACILITIES				70
UTILITIES	LS			(5)
PAVEMENTS	LS			(5)
SITE RESTORATION	LS			(60)
SUBTOTAL				605
CONTINGENCY (10%)				61
TOTAL CONTRACT COST				666
SUPERVISION, INSPECTION AND OVERHEAD (5%)				33
TOTAL REQUEST				699
TOTAL REQUEST (ROUNDED)				700
10. Description of Proposed Construction: Replace 12 tanks and remove only 7 others. Excavate and remove the tanks. Dispose of tanks, tank residue and contaminated soil. Restore the sites.				
11. REQUIREMENT: As required. PROJECT: Replace Underground Fuel Storage Tanks (UST) (Current Mission). REQUIREMENT: This is a level II environmental compliance project. Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Federal Environmental Protection Agency (EPA) has set standards that require that all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible. CURRENT SITUATION: The USTs at this base have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the base is subject to Notice of Violations by the Federal and/or State EPA. IMPACT IF NOT PROVIDED: Non-compliance with Statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage has the potential to contaminate the soil and aquifer. The ANG training could be curtailed and the ANG could receive unfavorable publicity.				

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
TULSA INTERNATIONAL AIRPORT OKLAHOMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	XHZG909609	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		91 NOV 08
(b) Percent Complete as of Jan 94		65%
(c) Date 35% Designed		93 JUN 15
(d) Date Design Complete		94 JUL 15
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		43
(b) All Other Design Costs		20
(c) Total		63
(d) Contract		63
(e) In-house		
(4) Construction Start		95 JUN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION PORTLAND INTERNATIONAL AIRPORT OREGON			4. AREA CONSTR COST INDEX 0.99	
5. FREQUENCY AND TYPE OF UTILIZATION Four unit training assemblies per month, 15 days annual field training per year, daily use by technician/AGR force and for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 2 Army National Guard Armories, 1 Army National Guard Facility				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY			COST	DESIGN STATUS
CODE	PROJECT TITLE	SCOPE	(\$000)	START CMPL
851-147	SITE RESTORATION	LS	1,700	MAR 93 APR 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
			15 APR 93 (Date)	
9. LAND ACQUISITION REQUIRED		None	(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY			COST	
CODE	PROJECT TITLE	SCOPE	(\$000)	
171-447	ADD TO AND ALTER COMM/ELEC TRAINING FAC	5,600 SF	760	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE		
3. INSTALLATION AND LOCATION PORTLAND INTERNATIONAL AIRPORT OREGON							
11. PERSONNEL STRENGTH AS OF 1 JUN 93							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	490	11	87	392	1,447	149	1,298
ACTUAL	469	10	87	372	1,415	160	1,255
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>					
		<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	142 HQ FIG	66	66				
	142 DET 1	26	25				
	123 FIS SQ	39	35				
	142 MSS SQ	45	51				
	142 MSS FT	41	35				
	142 CMS SQ	448	434				
	142 SEC FL	86	88				
	142 RMS SQ	122	116				
	142 USAFCL	60	50				
	272 CCS SQ	130	119				
	142 CES SQ	148	134				
	142 SVS FT	43	33				
	244 CCS SQ	148	148				
	8142 STU FT	0	34				
	HQ OR ANG	31	32				
	123 WEA FT	<u>14</u>	<u>15</u>				
	TOTALS	1,447	1,415				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	C-26 Aircraft	1	1				
	F-15 Aircraft	18	25				
	Support Equipment	460	433				
	Vehicle Equivalents	143	143				

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION PORTLAND INTERNATIONAL AIRPORT OREGON			4. PROJECT TITLE SITE RESTORATION		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 851-147	7. PROJECT NUMBER TOKD939528	8. PROJECT COST(\$000) \$1,700		

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
SITE RESTORATION	LS			1,550
SUBTOTAL				1,550
CONTINGENCY (5%)				78
TOTAL CONTRACT COST				1,628
SUPERVISION, INSPECTION AND OVERHEAD (5%)				81
TOTAL REQUEST				1,709
TOTAL REQUEST (ROUNDED)				1,700

10. Description of Proposed Construction: Construct new and rerouted roads, parking areas, concrete curbs/gutters, storm drainage, sewer laterals, street lights, comm, and gas distribution lines. Regrade, seed and landscape areas to be restored. Develop central core area consistent with Master Plan. Integrate storm water and sewer systems into airport and local systems. Demolition as required to provide site restoration.

11. REQUIREMENT: As required.

PROJECT: Site Restoration (Current Mission).

REQUIREMENT: This is a category II environmental compliance project. The base requires a properly sized and environmentally correct base infrastructure that will meet Federal, State, and Local environmental regulations and that will provide for future expansion and not endanger the environment nor the base and local population. In addition, properly sized and located utility systems are required to conform to the Master Plan that is currently being accomplished through the construction of several new facilities and the demolition of old facilities.

CURRENT SITUATION: The execution of the modernization of the base through construction guided by the Master Plan has forced the relocation of several of the base's environmental systems. The modernization has forced the resizing of the systems and the upgrading of their interconnections with the city systems as they exit the base. The age of the systems requires that they be updated to meet current and the more stringent requirements of modern environmental regulations. Current systems are inadequate, undersized and in danger of polluting the local environment and endangering the health of base and local populations. The existing infrastructure system does not meet the requirements. They are old, undersized and poorly arranged. They do not integrate into the ANG master

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
PORTLAND INTERNATIONAL AIRPORT OREGON		
4. PROJECT TITLE		5. PROJECT NUMBER
SITE RESTORATION		TOKD939528
plan and the airport improvement plan. <u>IMPACT IF NOT PROVIDED:</u> Accept the risk. Existing systems will not be able to properly serve the new construction and are in danger of contaminating the soil and water. Possible negative publicity on the AF and the ANG.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
PORTLAND INTERNATIONAL AIRPORT OREGON		
4. PROJECT TITLE	5. PROJECT NUMBER	
SITE RESTORATION	TOKD939528	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 MAR 22
(b) Percent Complete as of Jan 94		95%
(c) Date 35% Designed		93 SEP 11
(d) Date Design Complete		94 APR 01
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		85
(b) All Other Design Costs		30
(c) Total		115
(d) Contract		115
(e) In-house		
(4) Construction Start		95 JUN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION FT INDIANTOWN GAP ANG STATION, PENNSYLVANIA		4. AREA CONSTR COST INDEX 1.01
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Army Reserve Center and 1 Air National Guard Unit		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995		
CATEGORY		COST DESIGN STATUS
CODE	PROJECT TITLE	SCOPE (\$000) START CMPL
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS 1,800 NOV 91 JUL 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved 14 OCT 92 (Date)		
9. LAND ACQUISITION REQUIRED	None	(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY		COST
CODE	PROJECT TITLE	SCOPE (\$000)
131-111	COMPOSITE COMMUNICATIONS TRAINING FACILITY	36,200 SF 7,200

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE		
3. INSTALLATION AND LOCATION FT INDIANTOWN GAP ANG STATION, PENNSYLVANIA							
11. PERSONNEL STRENGTH AS OF 30 JUL 93							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	89	6	82	1	514	40	474
ACTUAL	89	6	82	1	454	25	429
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>				<u>STRENGTH</u>			
				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
193	DET 1			8		7	
201	RHCEF			224		219	
203	WF			22		18	
211	EIS			172		155	
271	CCS			<u>163</u>		<u>144</u>	
TOTALS				589		543	
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>				<u>AUTHORIZED</u>	<u>ASSIGNED</u>		
Support Equipment				127	127		
Vehicle Equivalenta				686	693		

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION FT INDIANTOWN GAP ANG STATION PENNSYLVANIA			4. PROJECT TITLE REPLACE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER LKLW909640	8. PROJECT COST(\$000) \$1,800		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE UNDERGROUND FUEL STORAGE TANKS	LS			1,400	
SUPPORTING FACILITIES				160	
PAVEMENTS	LS			(20)	
UTILITIES	LS			(40)	
SITE RESTORATION	LS			(100)	
SUBTOTAL				1,560	
CONTINGENCY (10%)				156	
TOTAL CONTRACT COST				1,716	
SUPERVISION, INSPECTION AND OVERHEAD (5%)				86	
TOTAL REQUEST				1,802	
TOTAL REQUEST (ROUNDED)				1,800	
10. Description of Proposed Construction: Replace 41 tanks. Excavate and remove the tanks. Dispose of the tanks, tank residue and the contaminated soil. Restore the sites.					
11. REQUIREMENT: As required. PROJECT: Replace Underground Fuel Storage Tanks (UST) (Current Mission). REQUIREMENT: This is a level II environmental compliance project. Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Federal Environmental Protection Agency (EPA) has set standards that require that all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible. CURRENT SITUATION: The USTs at this base have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the base is subject to Notice of Violations by the Federal and/or State EPA. IMPACT IF NOT PROVIDED: Non-compliance with Statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage has the potential to contaminate the soil and aquifer. The ANG training could be curtailed and the ANG could receive unfavorable publicity.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
FT INDIANTOWN GAP ANG STATION PENNSYLVANIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	LKLW909640	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 NOV 08	
(b) Percent Complete as of Jan 94	65%	
(c) Date 35% Designed	93 APR 15	
(d) Date Design Complete	94 JUL 15	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)	
(a) Production of Plans and Specifications	85	
(b) All Other Design Costs	40	
(c) Total	125	
(d) Contract	125	
(e) In-house		
(4) Construction Start	95 JUL	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION PITTSBURGH INT'L APT ANG, PENNSYLVANIA		4. AREA CONSTR COST INDEX 1.01
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air Force Reserve, 1 Army Reserve and 1 Air National Guard Facility		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995		
CATEGORY		COST DESIGN STATUS
CODE	PROJECT TITLE	SCOPE (\$000) START CMPL
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS 500 NOV 91 MAR 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved 14 OCT 92 (Date)		
9. LAND ACQUISITION REQUIRED	None	(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY		COST
CODE	PROJECT TITLE	SCOPE (\$000)
124-135	JET FUEL STORAGE COMPLEX	LS 5,500
141-753	ADD TO SQUADRON OPERATIONS FACILITY	16,600 SF 2,550
211-179	FUEL CELL AND CORROSION CONTROL FACILITY	37,100 SF 5,400
730-142	FIRE STATION	10,400 SF 2,900

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION					2. DATE					
3. INSTALLATION AND LOCATION PITTSBURGH INT'L APT ANG, PENNSYLVANIA											
11. PERSONNEL STRENGTH AS OF 31 JUL 93											
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>						
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>					
AUTHORIZED	534	70	458	6	1,879	251					
ACTUAL	504	70	428	6	1,741	245					
						1,628					
						1,496					
12. RESERVE UNIT DATA											
	<u>UNIT DESIGNATION</u>		<u>STRENGTH</u>								
			<u>AUTHORIZED</u>		<u>ACTUAL</u>						
	171 AREWFW		70		62						
	147 AREFS		74		82						
	171 MSS		46		42						
	171 CAMS		359		319						
	171 CLN		55		49						
	171 CES		159		155						
	171 SPF		75		75						
	171 RMS		120		111						
	171 MSF		34		31						
	171 SVF		27		26						
	112 AREFG		69		61						
	146 AREFS		74		75						
	112 MSS		46		39						
	112 CAMS		359		327						
	112 CLN		55		53						
	112 SPF		62		57						
	112 RMS		120		111						
	146 WEAFLT		19		17						
	112 MSF		31		25						
	112 SVF		25		24						
	TOTALS		1,879		1,741						
13. MAJOR EQUIPMENT AND AIRCRAFT											
	<u>TYPE</u>		<u>AUTHORIZED</u>		<u>ASSIGNED</u>						
	KC-135E Aircraft		20		20						
	Support Equipment		0		0						
	Vehicle Equivalents		304		439						

1. COMPONENT ANG	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION PITTSBURGH INT'L APT ANG PENNSYLVANIA		4. PROJECT TITLE REPLACE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER JLS0909636	8. PROJECT COST(\$000) \$500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE UNDERGROUND FUEL STORAGE TANKS	LS			370
SUPPORTING FACILITIES				65
UTILITIES	LS			(10)
PAVEMENTS	LS			(5)
SITE RESTORATION	LS			(50)
SUBTOTAL				435
CONTINGENCY (10%)			-	44
TOTAL CONTRACT COST				479
SUPERVISION, INSPECTION AND OVERHEAD (5%)				24
TOTAL REQUEST				503
TOTAL REQUEST (ROUNDED)				500
10. Description of Proposed Construction: Replace 9 tanks and remove only 1 other. Excavate and remove the tanks. Dispose of the tanks, tank residue and contaminated soil. Restore the sites. 11. REQUIREMENT: As required. <u>PROJECT:</u> Replace Underground Fuel Storage Tanks (UST) (Current Mission). <u>REQUIREMENT:</u> This is a level II environmental compliance project. Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Federal Environmental Protection Agency (EPA) has set standards that require that all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible. <u>CURRENT SITUATION:</u> The USTs at this base have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the base is subject to Notice of Violations by the Federal and/or State EPA. <u>IMPACT IF NOT PROVIDED:</u> Non-compliance with Statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage has the potential to contaminate the soil and aquifer. The ANG training could be curtailed and the ANG could receive unfavorable publicity.				

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
PITTSBURGH INT'L APT ANG PENNSYLVANIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	JLS0909636	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		91 NOV 08
(b) Percent Complete as of Jan 94		95%
(c) Date 35% Designed		93 APR 15
(d) Date Design Complete		94 MAR 15
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		27
(b) All Other Design Costs		15
(c) Total		42
(d) Contract		42
(e) In-house		
(4) Construction Start		95 JUN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION HARRISBURG IAP OLMSTEAD FLD PENNSYLVANIA			4. AREA CONSTR COST INDEX 0.97	
5. FREQUENCY AND TYPE OF UTILIZATION Weekend Drill, Unit Training Activities, Annual Active Duty for Training Utilized 365 day per year. Daily use by Air Technician/AGR Force for Base Support.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 3 Army National Guard Units, 6 Army Reserve and 1 Naval Reserve				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY			COST	DESIGN STATUS
CODE	PROJECT TITLE	SCOPE	(\$000)	START CMPL
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS	690	NOV 91 JUN 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
				14 OCT 92 (Date)
9. LAND ACQUISITION REQUIRED		None	(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY			COST	
CODE	PROJECT TITLE	SCOPE	(\$000)	
214-467	SOF-REFUELING VEHICLE SHOP	1,700 SF	430	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE	
3. INSTALLATION AND LOCATION HARRISBURG IAP OLMSTEAD FLD PENNSYLVANIA						
11. PERSONNEL STRENGTH AS OF 3 JUL 92						
	PERMANENT				GUARD/RESERVE	
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZED	425	44	377	4	1,872	221 1,651
ACTUAL	425	44	377	4	1,767	220 1,547
12. RESERVE UNIT DATA						
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>				
		<u>AUTHORIZED</u>		<u>ACTUAL</u>		
	193 SOGP	60		58		
	193 SOS	162		175		
	193 MSS	45		41		
	193 MSF	41		39		
	193 SVF	34		31		
	193 CAM	344		312		
	193 RMS	120		119		
	193 CES	124		115		
	193 HOSP	73		69		
	193 SPF	61		64		
	193 SOCF	21		19		
	193 BRG	9		7		
	553 BAND	36		34		
	112 ACS	94		96		
	114 ACS	67		51		
	203 WEA FL	21		21		
	211 EIS	172		151		
	271 CCSG	165		138		
	201 RHCEF	223		227		
	TOTALS	1,872		1,767		
13. MAJOR EQUIPMENT AND AIRCRAFT						
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ASSIGNED</u>		
	EC-130E/RR Aircraft	4		4		
	EC-130E/CL Aircraft	6		6		
	Support Equipment	100		92		
	Vehicle Equivalents	240		240		

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION HARRISBURG INTERNATIONAL AIRPORT PENNSYLVANIA			4. PROJECT TITLE REPLACE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER SHY0909655	8. PROJECT COST(\$000) \$690		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE UNDERGROUND FUEL STORAGE TANKS		LS			500
SUPPORTING FACILITIES					100
UTILITIES		LS			(10)
PAVEMENTS		LS			(10)
SITE RESTORATION		LS			(80)
SUBTOTAL					600
CONTINGENCY (10%)					60
TOTAL CONTRACT COST					660
SUPERVISION, INSPECTION AND OVERHEAD (5%)					33
TOTAL REQUEST					693
TOTAL REQUEST (ROUNDED)					690
10. Description of Proposed Construction: Replace 10 tanks and remove only 6 others. Dispose of the tanks, tank residue and the contaminated soil. Restore the sites.					
11. REQUIREMENT: As required. PROJECT: Replace Underground Fuel Storage Tanks (UST) (Current Mission). REQUIREMENT: This is a level II environmental compliance project. Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Federal Environmental Protection Agency (EPA) has set standards that require that all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible. CURRENT SITUATION: The USTs at this base have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the base is subject to Notice of Violations by the Federal and/or State EPA. IMPACT IF NOT PROVIDED: Non-compliance with Statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage has the potential to contaminate the soil and aquifer. The ANG training could be curtailed and the ANG could receive unfavorable publicity.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
HARRISBURG INTERNATIONAL AIRPORT PENNSYLVANIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	SHY0909655	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 NOV 08	
(b) Percent Complete as of Jan 94	65%	
(c) Date 35% Designed	93 JUN 15	
(d) Date Design Complete	94 JUN 15	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	37	
(b) All Other Design Costs	15	
(c) Total	52	
(d) Contract	52	
(e) In-house		
(4) Construction Start	95 MAY	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION WILLOW GROVE AIR RESERVE FACILITY, PENNSYLVANIA			4. AREA CONSTR COST INDEX 1.09	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 12 Army National Guard, 8 Army Reserve, 4 Naval Reserve, 1 Marine Corps Reserve, 1 Air Force Reserve and 1 Active Duty Navy				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START CMPL
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS	470	NOV 91 AUG 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
			14 OCT 92 (Date)	
9. LAND ACQUISITION REQUIRED		None		
		(Number of Acres)		
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	
214-467	REFUELING VEHICLE SHOP	1,700 SF	470	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE		
3. INSTALLATION AND LOCATION WILLOW GROVE AIR RESERVE FACILITY, PENNSYLVANIA							
11. PERSONNEL STRENGTH AS OF 31 AUG 93							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	331	23	298	10	1,136	114	1,022
ACTUAL	286	23	257	6	1,083	116	967
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>					
		<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	111 FG	59	65				
	103 FS	55	57				
	111 CAM	396	359				
	111 MSS	45	42				
	111 TC	34	35				
	111 RMS	120	119				
	111 CES	124	112				
	111 SVF	25	25				
	111 SPF	57	58				
	111 MSF	34	38				
	140 WF	16	18				
	270 EIS	171	155				
	TOTALS	1,136	1,083				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	OA-10 Aircraft	18	20				
	C-26 Aircraft	1	1				
	Support Equipment	151	140				
	Vehicle Equivalents	348	348				

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION WILLOW GROVE AIR RESERVE FACILITY PENNSYLVANIA			4. PROJECT TITLE REPLACE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER ZAWA909654	8. PROJECT COST(\$000) \$470		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE UNDERGROUND FUEL STORAGE TANKS		LS			355
SUPPORTING FACILITIES					55
UTILITIES		LS			(10)
PAVEMENTS		LS			(5)
SITE RESTORATION		LS			(40)
SUBTOTAL					410
CONTINGENCY (10%)					41
TOTAL CONTRACT COST					451
SUPERVISION, INSPECTION AND OVERHEAD (5%)					23
TOTAL REQUEST					474
TOTAL REQUEST (ROUNDED)					470
10. Description of Proposed Construction: Replace 9 tanks. Excavate and remove the tanks. Dispose the tanks, tanks residue and the contaminated soil. Restore the sites.					
11. REQUIREMENT: As required. PROJECT: Replace Underground Fuel Storage Tanks (UST) (Current Mission). REQUIREMENT: This is a level II environmental compliance project. Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Federal Environmental Protection Agency (EPA) has set standards that require that all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible. CURRENT SITUATION: The USTs at this base have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the base is subject to Notice of Violations by the Federal and/or State EPA. IMPACT IF NOT PROVIDED: Non-compliance with Statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage has the potential to contaminate the soil and aquifer. The ANG training could be curtailed and the ANG could receive unfavorable publicity.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
WILLOW GROVE AIR RESERVE FACILITY PENNSYLVANIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	ZAWA909654	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 NOV 08	
(b) Percent Complete as of Jan 94	65%	
(c) Date 35% Designed	93 JUN 15	
(d) Date Design Complete	94 AUG 15	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	20	
(b) All Other Design Costs	12	
(c) Total	32	
(d) Contract	32	
(e) In-house		
(4) Construction Start	95 MAY	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION SALT LAKE CITY INTERNAT'L APT ANG UTAH			4. AREA CONSTR COST INDEX 1.00	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Naval/Marines Corps Reserve, 1 Army Reserve and 2 Army National Guard Units				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START CMPL
116-672	AIRCRAFT WASHRACK AND DEICE FACILITY	LS	400	MAR 93 MAY 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved <u>9 NOV 93</u> (Date)				
9. LAND ACQUISITION REQUIRED		None	(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	
141-753	ADD TO AND ALTER SQUADRON OPERATIONS FACILITY	11,400 SF	1,300	
171-447	COMMUNICATIONS AND ELECTRONICS TRAINING FACILITY	8,800 SF	910	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION						2. DATE						
3. INSTALLATION AND LOCATION SALT LAKE CITY INTERNAT'L APT ANG UTAH													
11. PERSONNEL STRENGTH AS OF 30 JUN 93													
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>								
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>						
AUTHORIZED	461	26	376	59	1,681	189	1,492						
ACTUAL	461	26	376	59	1,594	180	1,414						
12. RESERVE UNIT DATA													
<u>UNIT DESIGNATION</u>		<u>STRENGTH</u>		<u>AUTHORIZED</u>		<u>ACTUAL</u>							
HQ	UT ANG			30		25							
106	ACS			89		82							
109	ACS			91		100							
130	EIS SQ			228		209							
HQ	AREFG6			69		70							
151	MSS SQ			46		47							
151	CAMS			359		327							
151	CLINIC			55		53							
151	CEG SQ			171		151							
151	SEP FT			75		74							
151	RMS SQ			121		118							
151	CS			40		43							
151	SVS FT			27		25							
169	ESS SQ			98		89							
191	AREFS			74		71							
299	RES SQ			108		103							
151	CFT			0		7							
		TOTALS		1,681		1,594							
13. MAJOR EQUIPMENT AND AIRCRAFT													
<u>TYPE</u>		<u>AUTHORIZED</u>		<u>ASSIGNED</u>									
KC-135 Aircraft		10		10									
Support Equipment		175		160									
Vehicle Equivalents		689		689									

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION EWWRA SHEPHERD FIELD ANG, WEST VIRGINIA		4. AREA CONSTR COST INDEX 0.83
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 3 Army National Guard Armories, 3 Army Reserve Training Centers		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995		
CATEGORY		COST DESIGN STATUS
CODE	PROJECT TITLE	SCOPE (\$000) START CMPL
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS 500 NOV 91 AUG 93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved 16 DEC 92 (Date)		
9. LAND ACQUISITION REQUIRED	None	(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY		COST
CODE	PROJECT TITLE	SCOPE (\$000)

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE		
3. INSTALLATION AND LOCATION EWWRA SHEPHERD FIELD ANG, WEST VIRGINIA							
11. PERSONNEL STRENGTH AS OF 30 JUN 93							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	315	28	271	16	1,228	206	1,022
ACTUAL	302	27	260	15	1,147	199	948
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>		<u>STRENGTH</u>				
			<u>AUTHORIZED</u>	<u>ACTUAL</u>			
	167	TAG HQ	63	59			
	167	TAL SQ	130	127			
	167	MSS SQ	45	38			
	167	CAM SQ	264	241			
	167	TCI CI	73	61			
	167	CEG SQ	148	125			
	167	SEP FT	57	52			
	167	MAP HQ	106	95			
	167	AE FT	157	132			
	167	RMS SQ	120	112			
	167	MSS FT	38	33			
	167	SVS FT	27	17			
	8167	STU FT	0	55			
	TOTALS		1,228	1,147			
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	C-130E Aircraft	12	12				
	Support Equipment	251	241				
	Vehicle Equivalents	436	446				

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION EWVRA SHEPHERD FIELD ANG WEST VIRGINIA			4. PROJECT TITLE REPLACE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER PJYV909650	8. PROJECT COST(\$000) \$500		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE UNDERGROUND FUEL STORAGE TANKS	LS			390	
SUPPORTING FACILITIES				40	
UTILITIES	LS			(5)	
PAVEMENTS	LS			(5)	
SITE RESTORATION	LS			(30)	
SUBTOTAL				430	
CONTINGENCY (10%)				43	
TOTAL CONTRACT COST				473	
SUPERVISION, INSPECTION AND OVERHEAD (5%)				24	
TOTAL REQUEST				497	
TOTAL REQUEST (ROUNDED)				500	
10. Description of Proposed Construction: Replace 7 tanks and remove only 4 others. Excavate and remove the tanks. Dispose of the tanks, tank residue and the contaminated soil. Restore the sites.					
11. REQUIREMENT: As required. PROJECT: Replace Underground Fuel Storage Tanks (UST)(Current Mission). REQUIREMENT: This is a level II environmental compliance project. Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Federal Environmental Protection Agency (EPA) has set standards that require each regulated UST to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible. CURRENT SITUATION: The USTs at this base have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the base is subject to Notice of Violations by the Federal and/or State EPA. IMPACT IF NOT PROVIDED: Non-compliance with Statutes. The State and County may issue restraints and/or Notices of Violations and fines. Any leakage has the potential to contaminate the soil and aquifer. The ANG training could be curtailed and the ANG could receive unfavorable publicity.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
EWWRA SHEPHERD FIELD ANG WEST VIRGINIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	PJYV909650	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 NOV 08	
(b) Percent Complete as of Jan 94	100%	
(c) Date 35% Designed	93 MAR 15	
(d) Date Design Complete	93 AUG 15	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	25	
(b) All Other Design Costs	10	
(c) Total	35	
(d) Contract	35	
(e) In-house		
(4) Construction Start	95 JUL	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION GENERAL MITCHELL INT'L AIRPORT WISCONSIN			4. AREA CONSTR COST INDEX 1.08	
5. FREQUENCY AND TYPE OF UTILIZATION Four unit training assemblies per month, 15 days annual field training per year, daily use by technician/AGR force and for training and JCS directed alert missions.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 11 Army Reserve Armories, 5 Army National Guard Armories, 1 Naval/Marine Facility and 1 Air Force Reserve Facility.				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY			COST	DESIGN STATUS
CODE	PROJECT TITLE	SCOPE	(\$000)	START CMPL
821-116	REPLACE CENTRAL HEAT PLANT	LS	800	SEP 93 JUN 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
9. LAND ACQUISITION REQUIRED			None	21 OCT 93 (Date)
				(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY			COST	
CODE	PROJECT TITLE	SCOPE	(\$000)	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE	
3. INSTALLATION AND LOCATION GENERAL MITCHELL INT'L AIRPORT WISCONSIN						
11. PERSONNEL STRENGTH AS OF 30 SEP 93						
	PERMANENT				GUARD/RESERVE	
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZED	338	15	69	254	1,070	134 936
ACTUAL	321	13	62	246	991	131 860
12. RESERVE UNIT DATA						
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>				
		<u>AUTHORIZED</u>	<u>ACTUAL</u>			
	126 AREFS	74	71			
	126 WEA FT	13	9			
	128 ARG	69	63			
	128 CLM SQ	354	325			
	128 MSS SQ	46	45			
	128 TCI CI	55	55			
	128 CEG SQ	159	145			
	128 SVS FT	27	22			
	128 SEP FT	75	74			
	128 MSS FT	37	40			
	128 RMS SQ	120	111			
	8128 STU FT	41	31			
	TOTALS	1,070	991			
13. MAJOR EQUIPMENT AND AIRCRAFT						
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>			
	KC-135 Aircraft	10	10			
	Support Equipment	179	107			
	Vehicle Equivalents	288	243			

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
ANG					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
GENERAL MITCHELL INT'L AIRPORT WISCONSIN			REPLACE CENTRAL HEAT PLANT		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55256F	821-116	HTUV939706	\$800		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE CENTRAL HEAT PLANT	LS			310	
SUPPORTING FACILITIES				380	
UTILITIES	LS			(80)	
PAVEMENTS	LS			(25)	
SITE IMPROVEMENTS	LS			(50)	
DEMOLITION	LS			(90)	
ASBESTOS REMOVAL	LS			(135)	
SUBTOTAL				690	
CONTINGENCY (10%)				69	
TOTAL CONTRACT COST				759	
SUPERVISION, INSPECTION AND OVERHEAD (5%)				38	
TOTAL REQUEST				797	
TOTAL REQUEST (ROUNDED)				800	
10. Description of Proposed Construction: Demolition of the existing hot water distribution system serving 7 buildings. Installation of packaged heating systems in each affected building. All utilities and support. Demolish a portion of Building 104 (600 SF), the central heating plant attached to the hangar.					
11. REQUIREMENT: As required. <u>PROJECT:</u> Replace Central Heat Plant (Current Mission). <u>REQUIREMENT:</u> This is a level II environmental compliance project. The base requires an adequate heating system which is economical to operate and maintain and does not pollute the air and ground water. This project includes Buildings 104, 105, 106, 107, 108, 109, and 112. <u>CURRENT SITUATION:</u> The base has an antiquated central heating plant which serves seven buildings through a system of approximately 1 mile of underground and above ground high temperature hot water lines. The central plant has old boilers which are uneconomical to operate. The plant emissions do not meet Federal and State air quality standards. There are numerous health and safety violations. The pipes have asbestos insulation. The lines serving the buildings are old and poorly insulated. There are numerous and substantial losses of energy through leaks. They need immediate replacement. The electrical connections are old and corroded. It is uneconomical to upgrade the heating plant system. The plant must be operated throughout the year to allow the production of hot water to the various buildings. This project will provide smaller energy efficient easier to maintain heating units that do not pollute. <u>IMPACT IF NOT PROVIDED:</u> Large energy losses. Health and safety hazards. Violation of the federal and state environmental laws. Higher operating costs.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
GENERAL MITCHELL INT'L AIRPORT WISCONSIN		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE CENTRAL HEAT PLANT	HTUV939706	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 SEP 20	
(b) Percent Complete as of Jan 94	35%	
(c) Date 35% Designed	94 JAN 15	
(d) Date Design Complete	94 JUN 01	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	42	
(b) All Other Design Costs	21	
(c) Total	63	
(d) Contract	63	
(e) In-house		
(4) Construction Start	95 JUL	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION TRUAX FIELD, WISCONSIN			4. AREA CONSTR COST INDEX 1.02	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Army National Guard Center, 2 Army Reserve Centers and 1 Naval Reserve Center				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995				
CATEGORY			COST	DESIGN STATUS
CODE	PROJECT TITLE	SCOPE	(\$000)	START CMPL
218-712	ADD TO AND ALTER AIRCRAFT SUPPORT EQUIPMENT SHOP/STORAGE	6,300 SF	340	APR 93 JUL 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
				21 OCT 93 (Date)
9. LAND ACQUISITION REQUIRED		None	(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY			COST	
CODE	PROJECT TITLE	SCOPE	(\$000)	
124-135	JET FUEL STORAGE COMPLEX	LS	4,150	
216-642	ALTER MUNITIONS FACILITIES	14,000 SF	670	

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION					2. DATE	
3. INSTALLATION AND LOCATION TRUAX FIELD, WISCONSIN							
11. PERSONNEL STRENGTH AS OF 7 JUL 93							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	390	27	296	67	1,077	122	955
ACTUAL	340	26	249	65	1,007	119	888
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>					
		<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	128 TAC WG	59	56				
	176 TAC SQ	49	50				
	115 SPF	57	56				
	115 RMS	120	116				
	115 CES	124	113				
	115 TAC CL	66	63				
	115 CAM	460	416				
	115 SVF	25	25				
	115 MSF	40	39				
	HQ WI ANG	32	31				
	115 MSS	45	42				
	TOTALS	1,077	1,007				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	F-16 Aircraft	18	18				
	G-130 Aircraft	1	1				
	Support Equipment	127	121				
	Vehicle Equivalents	332	343				

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION VOLK FIELD AIR NATIONAL GUARD BASE, WISCONSIN		4. AREA CONSTR COST INDEX 1.06
5. FREQUENCY AND TYPE OF UTILIZATION Year round operational training of Air National Guard Units and other Reserve and Guard components and Active Military Units.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Army National Guard Unit		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995		
CATEGORY		COST DESIGN STATUS
CODE	PROJECT TITLE	SCOPE (\$000) START CMPL
179-511	REGIONAL FIREMEN TRAINING FACILITY	LS 700 JUN 93 APR 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved 21 OCT 93 (Date)		
9. LAND ACQUISITION REQUIRED	None	(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY		COST
CODE	PROJECT TITLE	SCOPE (\$000)
214-425	ADD TO AND ALTER VEHICLE MAINTENANCE COMPLEX	31,850 SF 2,500
422-264	MUNITIONS STORAGE IGLOOS	3,600 SF 700
442-758	BASE SUPPLY WAREHOUSE	36,400 SF 5,100

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE		
3. INSTALLATION AND LOCATION VOLK FIELD AIR NATIONAL GUARD BASE, WISCONSIN							
11. PERSONNEL STRENGTH AS OF 31 JUL 93							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	159	12	75	72	208	23	185
ACTUAL	159	12	75	72	184	20	164
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>					
		<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	VOLK CRTC	87	87				
	128 AC SQ	<u>121</u>	<u>97</u>				
	TOTALS	208	184				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	Support Equipment	260	243				
	Vehicle Equivalents	728	638				

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION VOLK FIELD AIR NATIONAL GUARD BASE WISCONSIN			4. PROJECT TITLE REGIONAL FIREMEN TRAINING FACILITY		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 179-511	7. PROJECT NUMBER YAOF889762	8. PROJECT COST(\$000) \$700		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REGIONAL FIREMEN TRAINING FACILITY		LS			500
SUPPORTING FACILITIES					135
UTILITIES		LS			(65)
PAVEMENTS		LS			(50)
SITE IMPROVEMENTS		LS			(20)
SUBTOTAL					635
CONTINGENCY (5%)					32
TOTAL CONTRACT COST					667
SUPERVISION, INSPECTION AND OVERHEAD (5%)					33
TOTAL REQUEST					700
TOTAL REQUEST (ROUNDED)					700
10. Description of Proposed Construction: A four story brick and block smoke training building, a burn/draft pit with large and small aircraft mock ups and a metal/masonry observation tower. Provide for utilities, pavements, and site improvements. Provide environmental controls.					
11. REQUIREMENT: As required.					
PROJECT: Regional Firemen Training Facility (Current Mission).					
REQUIREMENT: A regional fire training facility is required at Volk Field Combat Readiness Training Center. The base requires a properly designed, correctly configured, and environmentally safe fire training facility to support training for visiting units, base auxiliary fire fighters, and deployed fire-fighters.					
CURRENT SITUATION: Volk Field is an ANG operated regional training base used by the total force. Rather than construct a training facility at each base, the ANG has elected to locate the fire training facilities at regional training bases. Volk Field does not have an adequately sized, properly equipped, or environmentally approved fire training pit to accomplish the required training of the units that deploy to Volk Field. Personnel accomplish the mission essential training in a makeshift or simulated environment that does not properly satisfy the training required to learn and to perform properly in real life situations.					
IMPACT IF NOT PROVIDED: Unable to provide realistic training to the deployed units. Decreased experience and readiness. Potential environmental problems. Increased operating costs.					
ADDITIONAL: There are numerous ANG locations that have the requirement for this type of training. This project will serve as a regional training center for other ANG locations.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
VOLK FIELD AIR NATIONAL GUARD BASE WISCONSIN		
4. PROJECT TITLE	5. PROJECT NUMBER	
REGIONAL FIREMEN TRAINING FACILITY	YAOF889762	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUN 15	
(b) Percent Complete as of Jan 94	65%	
(c) Date 35% Designed	93 SEP 30	
(d) Date Design Complete	94 APR 15	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	30	
(b) All Other Design Costs	12	
(c) Total	42	
(d) Contract	42	
(e) In-house		
(4) Construction Start	95 JUL	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION PUERTO RICO IAP, PUERTO RICO		4. AREA CONSTR COST INDEX 1.12
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air National Guard Unit, 1 Active Army Unit, 8 Army National Guard Units, 3 Army Reserve Units and 2 Naval Units.		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995		
CATEGORY		COST DESIGN STATUS
CODE	PROJECT TITLE	SCOPE (\$000) START CMPL
124-135	REPLACE UNDERGROUND FUEL STORAGE TANKS	LS 590 MAR 93 APR 94
211-159	ADD TO AND ALTER AIRCRAFT CORROSION CONTROL FACILITY	7,000 SF 750 DEC 92 JUN 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved		
		17 SEP 92 (Date)
9. LAND ACQUISITION REQUIRED		None
		(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY		COST
CODE	PROJECT TITLE	SCOPE (\$000)
214-467	VEHICLE REFUELING SHOP AND PAINT BAY	2,700 SF 460
216-642	MUNITIONS MAINTENANCE AND STORAGE COMPLEX	17,900 SF 3,850
730-142	FIRE STATION	10,600 SF 1,900
872-841	UPGRADE SECURITY SYSTEM	LS 1,200

1. COMPONENT ANG	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION					2. DATE	
3. INSTALLATION AND LOCATION PUERTO RICO IAP, PUERTO RICO							
11. PERSONNEL STRENGTH AS OF 17 SEP 93							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	377	28	306	43	1,077	116	961
ACTUAL	306	19	244	43	1,043	106	937
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>		<u>STRENGTH</u>				
			<u>AUTHORIZED</u>	<u>ACTUAL</u>			
	156	TFG SQ	59	49			
	156	FG OL	9	6			
	198	FS	49	49			
	156	MSS	45	44			
	156	CAM	459	456			
	156	CLN	73	67			
	156	TAC OL	3	3			
	156	RMS	120	117			
	156	CES	124	119			
	156	SPF	57	57			
	156	MSF	45	42			
	156	SVF	34	34			
	TOTALS		1,077	1,043			
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	C-26 Aircraft	1	1				
	F-16 Aircraft	18	20				
	Support Equipment	110	92				
	Vehicle Equivalents	104	93				

1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION PUERTO RICO IAP PUERTO RICO			4. PROJECT TITLE REPLACE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 124-135	7. PROJECT NUMBER TUMR909610	8. PROJECT COST(\$000) \$590		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE UNDERGROUND FUEL STORAGE TANKS	LS			440	
SUPPORTING FACILITIES				60	
UTILITIES	LS			(10)	
PAVEMENTS	LS			(10)	
SITE RESTORATION	LS			(40)	
SUBTOTAL				500	
CONTINGENCY (10%)				50	
TOTAL CONTRACT COST				550	
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				36	
TOTAL REQUEST				586	
TOTAL REQUEST (ROUNDED)				590	
10. Description of Proposed Construction: Replace 11 tanks (8 tanks at the air base, 1 tank at Punta Salinas, and 2 tanks at St Croix). Remove only 1 tank at Punta Borinquen. Excavate and remove the tanks. Dispose of the tanks, tank residue and contaminated soil. Provide new above ground tanks. Provide utilities, pavements and site restoration.					
11. REQUIREMENT: As required. <u>PROJECT:</u> Replace Underground Fuel Storage Tanks (UST) (Current Mission). <u>REQUIREMENT:</u> This is a level II environmental compliance project. Upgrade all USTs regulated by 40 CFR 280 to new construction standards. The Environmental Protection Agency (EPA) has set standards that require that all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, it is Air Force policy to replace them with above ground tanks or to relocate them into underground vaults if possible. <u>CURRENT SITUATION:</u> The USTs at these bases have exceeded their design lives and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All the regulated USTs require annual tightness testing, daily fluid level monitoring and monthly inventory reconciliation and control. If these tasks are not performed, the bases are subject to Notice of Violations from Federal and/or Commonwealth EPA. <u>IMPACT IF NOT PROVIDED:</u> Non-compliance with Statutes. Authorities may issue restraints and/or Notices of Violations and fines. Any leakage could have the potential to contaminate the soil, aquifers and ocean. The ANG training could be curtailed and the ANG could receive unfavorable publicity.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
PUERTO RICO IAP PUERTO RICO		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE UNDERGROUND FUEL STORAGE TANKS	TUMR909610	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 MAR 24	
(b) Percent Complete as of Jan 94	65%	
(c) Date 35% Designed	93 SEP 30	
(d) Date Design Complete	94 APR 14	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	30	
(b) All Other Design Costs	12	
(c) Total	42	
(d) Contract	42	
(e) In-house		
(4) Construction Start	95 JUN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ANG		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
PUERTO RICO IAP PUERTO RICO			ADD TO AND ALTER AIRCRAFT CORROSION CONTROL FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55256F	211-159	TUMR929788	\$750		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
ADD/ALTER AIRCRAFT CORROSION CONTROL	SF	7,000		336	
ADD CORROSION CONTROL	SF	1,400	120	(168)	
ALTER CORROSION CONTROL	SF	5,600	30	(168)	
SUPPORTING FACILITIES				300	
UTILITIES	LS			(50)	
PAVEMENTS	LS			(40)	
SITE IMPROVEMENTS	LS			(10)	
FIRE SUPPRESSION	LS			(200)	
SUBTOTAL				636	
CONTINGENCY (10%)				64	
TOTAL CONTRACT COST				700	
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				46	
TOTAL REQUEST				746	
TOTAL REQUEST (ROUNDED)				750	
10. Description of Proposed Construction: Add to and alter Building 19 to provide a Corrosion Control Facility. Project includes hangar doors and construction of rear wall, installation of ventilation system, oil/water separator, fire protection, and necessary utilities.					
11. REQUIREMENT: 7,000 SF ADEQUATE: 0 SUBSTANDARD: 5,600 SF					
PROJECT: Add to and Alter Aircraft Corrosion Control Facility (Current Mission).					
REQUIREMENT: This is a category II environmental compliance project. A corrosion control facility is required to properly maintain the F-16 aircraft.					
CURRENT SITUATION: Corrosion control and fuel system maintenance are performed together under waivers in an open shelter with none of the required ventilation, drainage, air emission controls or fire detection/suppression system. Fuel cell operations occupy most of the facility. The F-16 aircraft requires increased fuel cell maintenance, which impacts the corrosion control activities. Puerto Rico IAP has a severely corrosive environment due to close proximity to the ocean. The aircraft require frequent washings. The facility does not have the proper environmental controls to meet air and water quality regulations. It does not have proper drainage with capability to separate oil and fuel from water and the washing chemicals. The system drains improperly and could contaminate off base areas.					
IMPACT IF NOT PROVIDED: Inability to perform corrosion control on the new aircraft will result in mission degradation, insufficient mission sorties, and loss of training. Possible contamination of the ground and negative publicity.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
PUERTO RICO IAP PUERTO RICO		
4. PROJECT TITLE	5. PROJECT NUMBER	
ADD TO AND ALTER AIRCRAFT CORROSION CONTROL FACILITY	TUMR929788	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	92 DEC 12	
(b) Percent Complete as of Jan 94	40%	
(c) Date 35% Designed	93 NOV 30	
(d) Date Design Complete	94 JUN 01	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	38	
(b) All Other Design Costs	15	
(c) Total	53	
(d) Contract	53	
(e) In-house		
(4) Construction Start	95 MAY	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE PROJECTS \$400,000 AND UNDER - FY 95		5. PROJECT NUMBER VARIOUS

<u>STATE AND LOCATION</u>	<u>PROJECT NUMBER</u>	<u>PROJECT TITLE</u>	<u>COST</u>
CALIFORNIA			
Moffett Field ANG	PN QMSN919682	Alter Vehicle Maintenance Facility	400
Alter motor vehicle operations and training facility to accommodate refueler vehicles and to provide for an environmentally safe facility that will conform to strict California pollution standards. Remove asbestos. Upgrade to meet seismic standards. (Current Mission)			
CALIFORNIA			
North Highlands ANG Station	PN RZJQ939777	Replace Underground Fuel Storage Tanks	400
Replace eight underground fuel storage tanks at two bases to conform to EPA regulations, to preclude contamination of the soil and aquifer, including all site work and restoration. (Current Mission)			
COLORADO			
Buckley Air National Guard Base	PN CRWU919593	Aircraft Wash and Deicing Apron	400
Provides a deicing apron for the aircraft in winter months that will comply with all environmental rules. The apron will also serve as an outside washrack. (Current Mission)			
IDAHO			
Boise Air Terminal (Gowen Field)	PN BXRH939779	Upgrade Base Drainage	380
Upgrade base storm water drainage system by providing improved ditches, collection/retention and basins/structures to prevent oil/fuel polluted storm water from polluting base and local community. (Current Mission)			

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1. COMPONENT ANG		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS (UNSPECIFIED)			4. PROJECT TITLE PLANNING AND DESIGN		
5. PROGRAM ELEMENT 55296F	6. CATEGORY CODE 010-000	7. PROJECT NUMBER AAAA929930	8. PROJECT COST(\$000) \$11,532		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PLANNING AND DESIGN		LS			11,532
SUBTOTAL					11,532
TOTAL CONTRACT COST					11,532
TOTAL REQUEST					11,532
TOTAL REQUEST (ROUNDED)					11,532
10. Description of Proposed Construction: The funds requested will provide for the final design of facilities and achieve full evaluation for each project in terms of technical adequacy and estimated cost. In addition, the funds are required to prepare working drawings, specifications, and project reports for the design of construction projects to be included in future Military Construction Programs.					
11. REQUIREMENT: As required. <u>REQUIREMENT:</u> The FY 95 design funds are needed to design projects for the FY 96 and 97 MILCON program. <u>CURRENT SITUATION:</u> The SECDEF bottom up review and the downsizing of the Air Force has resulted in the transferring of additional missions such as the B-1, KC-135, C-130, and others to the ANG. The MILCON for these aircraft conversions are included in the FY 96-97 programs. The ANG requires the design money in FY 95 to insure the design milestones for FY 96 and FY 97 of 65% and 35% as mandated by DODI 1225.7 are met. The ANG design dollars have been totally depleted. This is the result of past congressional MILCON adds to the program without a corresponding increase in design money. For example, in FY 93 Congress added \$150 million in construction dollars and only \$5 million in design. This left a shortfall of approximately \$13 million in design. <u>IMPACT IF NOT PROVIDED:</u> The ANG will not be able to execute the FY 96 and FY 97 design programs. Since the majority of the programs are in support of new missions, conversions, and environmental compliance, the projects cannot be included in the MILCON programs and submitted to Congress. Conversions will be delayed; high risk and costly workarounds will occur. Inability to program environmental compliance projects will result in violation of County, State, and Federal statutes. The ANG may receive					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS (UNSPECIFIED)		
4. PROJECT TITLE	5. PROJECT NUMBER	
PLANNING AND DESIGN	AAAA929930	
fines and the DoD, AF, and ANG may receive adverse publicity. It will be hard to explain that this was caused by insufficient planning and design.		

DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1995

APPROPRIATION: MILITARY CONSTRUCTION — AIR NATIONAL GUARD

PROGRAM 313: PLANNING AND DESIGN \$11,532,000

PART I -- PURPOSE AND SCOPE

The funds estimated in this program are to provide financing for project planning and design of the construction requirements for the Air National Guard.

PART II -- JUSTIFICATION OF FUNDS REQUESTED

The funds required for Planning and Design will provide for establishing project construction design of facilities and for achieving a full evaluation of each designed project in terms of technical adequacy and estimated costs.

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
VARIOUS LOCATIONS (UNSPECIFIED)			UNSPECIFIED MINOR CONSTRUCTION		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55296F	000-000	AAAA929931	\$4,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UNSPECIFIED MINOR CONSTRUCTION		LS			4,000
SUBTOTAL					4,000
TOTAL CONTRACT COST					4,000
TOTAL REQUEST					4,000
TOTAL REQUEST (ROUNDED)					4,000
10. Description of Proposed Construction: Provides a lump sum for construction projects not otherwise authorized by law, having a funding of \$400,000 or less, including construction, alteration, or conversion of permanent or temporary facilities. The Secretary of the Air Force has the authority to approve projects of this nature under the provisions of 10 U. S. C. 2233a.					
11. REQUIREMENT: As required. <u>REQUIREMENT:</u> This program provides the means of accomplishing projects not exceeding \$400,000 that are not now identified, but which are anticipated to arise during FY 94 and early FY 95 to satisfy critical, unforeseen mission requirements. These projects cannot wait for inclusion in the FY 96 MILCON. <u>CURRENT SITUATION:</u> During this period, as the AF is cutting back, ANG will undergo numerous aircraft conversions and beddowns. Many urgent facility requirements not now identified may need to be done on an urgent basis to support the arrival of new aircraft and equipment. Past records indicate that additional conversion projects are identified by the Site Activation Task Force. This is a management team that arrives on base and conducts a program review to insure a successful and on time aircraft conversion. Unforeseen and urgent environmental requirements to meet the State and Federal laws are also typical projects that must be accomplished.					

DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1995

APPROPRIATION: MILITARY CONSTRUCTION -- AIR NATIONAL GUARD
PROGRAM 341: UNSPECIFIED MINOR CONSTRUCTION \$4,000,000

PART I -- PURPOSE AND SCOPE

The funds estimated in this program are to provide financing for new construction and alteration projects having cost estimates not exceeding \$400,000 which are not otherwise authorized by law.

PART II -- JUSTIFICATION OF FUNDS REQUESTED

The funds required for Minor Construction will finance projects for which the justification is such that they should not be included in the regular Military Construction Program for the Air National Guard and such that they exceed the minor construction work authorization in the Operations and Maintenance Appropriation.

FY 1995 BUDGET ESTIMATES

Air Force Reserve



FY 1995 MILITARY CONSTRUCTION PROGRAM

February 1994

Justification Data Submitted to Congress

**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1995
MILITARY CONSTRUCTION PROGRAM**

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AND CONSTRUCTION DESIGN***

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**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM
(DOLLARS IN THOUSANDS)**

MAJOR CONSTRUCTION

FY 1995 MILITARY CONSTRUCTION STATE LIST

<u>STATE/ COUNTRY</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH AMOUNT</u>	<u>APPROP AMOUNT</u>	DD FORM 1391 <u>PAGE #</u>
California	March AFB			
	Replace Substation	3,900	3,900	3
	SUBTOTAL	3,900	3,900	
Georgia	Dobbins ARB			
	Fire Fighter Training Facility	1,100	1,100	8
	SUBTOTAL	1,100	1,100	
Indiana	Grisson ARB			
	Basewide Environmental Compliance	2,200	2,200	13
	SUBTOTAL	2,200	2,200	
Louisiana	Barksdale AFB			
	Add to and Alter Facilities for Conversion	5,000	5,000	17
	SUBTOTAL	5,000	5,000	
Massachusetts	Westover ARB			
	Replace Taxiway "G"	5,100	5,100	21
	Replace Underground Storage Tanks	1,000	1,000	23
	SUBTOTAL	6,100	6,100	
Ohio	Youngstown ARS			
	Industrial Wastewater Pretreatment Facility	500	500	28
	SUBTOTAL	500	500	
Wisconsin	General Mitchell ARS			
	Fire Fighter Training Facility	1,450	1,450	33
	Secondary Containment Facility	750	750	36
	SUBTOTAL	2,200	2,200	
	TOTAL IN THE UNITED STATES	21,000	21,000	
Worldwide	Unspecified Minor Construction	4,018	4,018	38
	Arch & Eng Svcs and Const Design	3,172	3,172	40
	GRAND TOTAL	28,190	28,190	

**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM
(DOLLARS IN THOUSANDS)**

MAJOR CONSTRUCTION

FY 1995 NEW MISSION/ENVIRONMENTAL/CURRENT MISSION LISTING

<u>LOCATION</u>	<u>PROJECT</u>	<u>COST</u>	<u>NEW/ENVIR/ CURRENT</u>
March AFB, CA	Replace Substation	3,900	Current
Dobbins ARB, GA	Fire Fighter Training Facility	1,100	Environmental
Grissom ARB, IN	Basewide Environmental Compliance	2,200	Environmental
Barksdale AFB, LA	Add to and Alter Facilities for Conversion	5,000	New
Westover ARB, MA	Replace Taxiway "G"	5,100	Current
Westover ARB, MA	Replace Underground Storage Tanks	1,000	Environmental
Youngstown ARS, OH	Industrial Wastewater Pretreatment Facility	500	Environmental
Gen Mitchell ARS, WI	Fire Fighter Training Facility	1,450	Environmental
Gen Mitchell ARS, WI	Secondary Containment Facility	750	Environmental
	TOTAL	21,000	
	Subtotals		
	New Mission	5,000	
	Current Mission	9,000	
	Environmental Work	7,000	
	Arch & Eng Svcs and Const Design	3,172	
	Unspecified Minor Construction	4,018	
	GRAND TOTAL	28,190	

SECTION 1
SPECIAL PROGRAM CONSIDERATIONS

**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM
(DOLLARS IN THOUSANDS)**

MAJOR CONSTRUCTION

FY 1995 POLLUTION ABATEMENT LISTING

<u>LOCATION</u>	<u>PROJECT</u>	<u>COST</u>	<u>TYPE</u>	<u>DD FORM 1391 Page #</u>
Dobbins ARB, GA	Fire Fighter Training Facility	1,100	Abatement	8
Grissom ARB, IN	Basewide Environmental Compliance	2,200	Abatement	13
Westover ARB, MA	Replace Underground Storage Tanks	1,000	Abatement	23
Youngstown ARS, OH	Industrial Wastewater Pretreatment Facility	500	Abatement	28
Gen Mitchell ARS, WI	Fire Fighter Training Facility	1,450	Abatement	33
Gen Mitchell ARS, WI	Secondary Containment Facility	750	Abatement	36
	TOTAL	7,000		
	Subtotals			
	Pollution Abatement	7,000		
	Energy Conservation	0		
	GRAND TOTAL	7,000		

SECTION 2
BUDGET APPENDIX EXTRACT

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM

FY 1995 APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, AIR FORCE RESERVE

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Air Force Reserve as authorized by Chapter 133 of title 10, United States Code, and military construction authorization Acts, (\$74,486,000) \$28,190,000 to remain available until September 30 (1998) 1999. (*Military Construction Appropriations Act, 1994*)

Mil. Com., Air Force Reserve
Program and Planning (in Thousands of dollars) Summary 14 JAN 64

Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed)

Identification code 87-2730-0-1-001	1993 Actual	1994 Req	1995 Req	1993 Actual	1994 Req	1995 Req
Program by activities:						
Direct programs:						
00.0101 Major Construction	33,789	60,003	31,000	13,230	30,046	39,210
00.0301 Minor Construction	0,409	2,900	0,010	2,123	0,013	0,229
00.0303 Planning	1,900	2,000	2,173	0,077	1,413	0,133
10.0001 Total	36,100	70,000	33,183	21,507	47,003	42,081
Financing:						
17.030 ESCOV FY BAL OP						
21.0003 Unobligated balance available, start of year:						
21.0003 Per completion of prior year budget plans						
21.0003 UNCLD FY. UNCLD FY.				(00,047)	(32,003)	(00,207)
21.0003 Reprogramming from/to prior year budget plans						
21.0003 Reduction pursuant to P.L. 99-177 in unoblig bal: Age						
21.0003 Unobligated balance available, end of year:						
21.0003 Per completion of prior year budget plans				53,000	09,207	04,700
21.0003 Lapse, W/BL						
21.0003 Unobligated balance: Lapsing						
21.0003 PLFC ACCOUNT, CP						
00.0001 budget authority (Appropriation)	36,100	70,000	33,183	21,507	70,000	36,180
Relation of obligations to outlays:						
73.110 UNPAID OB. NOT				22,050	18,294	16,030
73.0001 Obligations incurred, not				21,507	07,003	02,001
77.110 OBLIG ADJUSTMENT				230		
70.110 OBLIG ADJUSTMENT				-23		
00.110 PAYMENT CY FUND				29,040	30,317	27,004
00.111 PAYMENT CY FUND				29,040	30,317	27,004
OUTLAYS						
74.110 UNPAID OBL. NOT				10,254	34,000	30,066

Mil. Com., Air Force Reserve
Object Classification (in Thousands of dollars) Summary 13 JAN 64

Identification code 87-2730-0-1-001	1993 Actual	1994 Req	1995 Req
Direct obligations:			
Other services:			
125.003 Contracts		066	040
125.003 Land and structures		1,179	2,230
125.003 Total Direct Obligations		1,730	1,773
Allocation Accounts			
Other services:			
220.003 Contracts		0,292	0,113
220.003 Land structures		12,071	00,007
220.003 Total Allocation Accounts		12,363	00,120
220.003 Total Obligations		21,507	47,003
Obligations are distributed as follows:			
Defense - Military: Army		17,277	20,700
Defense - Military: Navy		2,000	0,700
Defense - Military: Air Force		1,724	0,200
Total Obligations		21,001	47,003

**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM - FISCAL YEAR 1995
SPECIAL PROGRAM CONSIDERATIONS**

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective action is accomplished in accordance with applicable standards and criteria.

Energy Conservation

Military Construction projects specifically designed for energy conservation at installations have been developed, reviewed and selected with prioritization by energy savings per investment costs. Projects include improvements to existing facilities and utility systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

Floodplain Management and Wetlands Protection

Proposed land acquisitions, disposals and installation construction projects have been planned to allow for the proper management of flood plains and protection of wetlands by avoiding long term impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 900-400, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities in this program do not directly or indirectly affect any district, site, building, structure, object or setting listed in the National of Historic Places, except as noted on DD Form 1391.

Environmental Protection

In accordance with Section 102(2)(c) of the National Environmental Protection Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in this Military Construction Program.

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects included in this program represent the most economical use of resources.

Reserve Manpower Potential

The Reserve manpower potential to meet and maintain authorized strengths of all Reserve flying/non-flying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other services having Reserve flying/non-flying units in these areas, that the number of units of the Reserve components of the Armed Forces presently located in these areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that can reasonably be expected to be maintained at authorized strength levels considering the number of persons living in these areas who are qualified for membership in those Reserve units.

Potential Use of Vacant Schools & Other State & Local Facilities

The potential use of vacant schools and other state and local owned facilities has been reviewed and analyzed for each facility to be constructed under this program.

Congressional Reporting Requirements

Page iii, titled "New Mission/Current Mission/Environmental Listing", is in response to a Senate Appropriations Committee requirement contained on page 10 (New and Current Mission Activities) of Report #100-380.

Unless otherwise noted, the projects comply with the scope and design criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

Resolution Trust Corporation Real Estate Assets

In accordance with guidance contained in Senate Report 101-384, page 282, the Air Force Reserve is in the process of screening Fiscal Year 1995 construction requirements against the Resolution Trust Corporation (RTC) real estate asset inventory.

SECTION 3
INSTALLATION AND PROJECT JUSTIFICATION DATA
DD FORMS 1390 AND 1391

1. COMPONENT USAFR	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 10 Jan 94
3. INSTALLATION AND LOCATION March Air Force Base, California					4. AREA CONSTR COST INDEX 1.26
5. FREQUENCY AND TYPE UTILIZATION Facilities are used daily. Unit training assemblies are two days per month and field training is conducted fifteen days per year.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air National Guard Unit					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE
813-231	Replace Substation	LS	3,900	10/93	9/94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION					N/A (Date)
Approval for unilateral construction not required as this is a project providing utility service offset by utility savings. No other utility options are available.					
9. LAND ACQUISITION REQUIRED					None (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR	
None					

1. COMPONENT USAFR	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 10 Jan 94		
3. INSTALLATION AND LOCATION March Air Force Base, California							
11. PERSONNEL STRENGTH AS OF-1 APR 93							
	<u>TOTAL</u>	<u>PERMANENT OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>GUARD/RESERVE TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	473	0	6	467	2141	346	1795
ACTUAL	473	0	6	467	2141	346	1795
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>			<u>STRENGTH</u>			
				<u>AUTHORIZED</u>		<u>ACTUAL</u>	
	452nd Air Refueling Wing			1552		1552	
	443 Aircraft Group			589		589	
	Total			2141		2141	
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>			<u>AUTHORIZED</u>			<u>ASSIGNED</u>
	KC-135E			10			10
	C-130B			2			2

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
USAFR				12 JAN 1994	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MARCH AIR FORCE BASE, CALIFORNIA			REPLACE 34.5 KV SUBSTATION		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
91215	813-231	PCZFP930813	3,900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE 34.5 KV SUBSTATION		LS			3,253
UNDERGROUND ELECTRICAL DISTRIBUTION		LF	2,600	140	(364)
SUBSTATION EQUIPMENT		LS			(652)
SCE 115KV SERVICE LINE		LS			(2,237)
SUPPORTING FACILITIES					85
MOBILIZATION		LS			(10)
DEMOLISH EXISTING SUBSTATION		LS			(75)
SUBTOTAL					3,338
CONTINGENCY (10%)					334
TOTAL CONTRACT COST					3,672
SUPERVISION, INSPECTION AND OVERHEAD (6%)					220
TOTAL REQUEST					3,892
TOTAL REQUEST (ROUNDED)					3,900
10. Description of Proposed Construction: Replace existing 10.0 Mva and 5.0 Mva, 34.5 kv - 13.8 kv transformers with a new 12.5 Mva, 115 kv - 13.8 kv transformer. Work includes a new switch gear, bus, and connection to the circuits served by the existing transformers. Work also includes a new 115 kv service line required to feed the new substation transformer at the higher voltage rate from Southern California Edison.					
11. REQUIREMENT: As required.					
PROJECT: Provides one new 115 kv - 13.8 kv transformer rated at 12.5 Mva to support the base electrical demand, and a new 115 kv service line to feed the new substation transformer at the higher voltage.					
REQUIREMENT: A new 115 Kv - 13.8 kv transformer substation is needed to capitalize on the high voltage discount rates offered by Southern California Edison. The new transformer will also standardize the base's electrical distribution system. A new 115 kv service line is required to feed the substation at the higher voltage.					
CURRENT SITUATION: The existing substation at March AFB consists of a 5 year old 10 Mva and a 16 year old 5 Mva transformer. Both are rated 34.5 kv primary and 13.8 kv secondary units supplying power to the main base distribution system. Southern California Edison, the local public utility company, estimated the current 34.5 kv service to the base to be fully loaded. Because the existing substation does not have any spare capacity, a new 12.5 Mva 115 kv primary and 13.8 kv secondary substation should be built to support existing and any additional electrical demand that may be needed in the future. A new 115 kv service line is required to feed the new transformer substation at the higher voltage. The cost of transmitting electricity from Southern California Edison is cheaper at the high voltage than at the voltage we currently use. Changing the service					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	12 JAN 1994
3. INSTALLATION AND LOCATION			
MARCH AIR FORCE BASE, CALIFORNIA			
4. PROJECT TITLE	5. PROJECT NUMBER		
REPLACE 34.5 KV SUBSTATION	PCZP930813		
load from the existing 34.5 kv transformers to the new 115 kv transformer takes advantage of the favorable rate schedule and will save the base over \$1,235,000 per year. IMPACT IF NOT PROVIDED: We will lose the opportunity to standardize the base's electrical distribution system and to save \$1,235,000 in annual utility costs. ADDITIONAL: This is a Productivity Investment Fund (PIF) project and would provide great savings in utility expenses. This transformer would also provide extra capacity for March AFB for any future electrical requirements. Currently, our electrical system is at maximum capacity. We need to modernize our substations and our service lines to provide dependable power and expansion capability to support the current mission and future needs of March AFB.			

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	12 JAN 1994
3. INSTALLATION AND LOCATION			
MARCH AIR FORCE BASE, CALIFORNIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
REPLACE 34.5 KV SUBSTATION		PCZP930813	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started		93 OCT 10	
(b) Parametric Cost Estimates used to develop costs		N	
(c) Percent Complete as of Jan 1994		1%	
(d) Date 35% Designed.		94 MAR 01	
(e) Date Design Complete		94 SEP 01	
(2) Basis:			
(a) Standard or Definitive Design -		NO	
(b) Where Design Was Most Recently Used -		N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications		231	
(b) All Other Design Costs		115	
(c) Total		346	
(d) Contract		277	
(e) In-house		69	
(4) Construction Start		94 DEC	
b. Equipment associated with this project will be provided from other appropriations: N/A			

1. COMPONENT USAFR	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 10 Jan 94
3. INSTALLATION AND LOCATION Dobbins Air Reserve Base, Georgia					4. AREA CONSTR COST INDEX 0.96
5. FREQUENCY AND TYPE UTILIZATION Facilities are used daily. Unit training assemblies are two days per month and field training is conducted fifteen days per year.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 2 Army Installations 1 Naval Air Station 1 Air National Guard Unit					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE
179-511	Fire Fighter Training Facility	1 EA	1,100	6/93	3/94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Approved for unilateral construction.					
				2 DEC 92 (Date)	
9. LAND ACQUISITION REQUIRED					None (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR	
171-447	Add/Alter Reserve Communications	5,000 SF	880	96	
171-443	Add/Alter Security Police	3,850 SF	1,200	96	
831-155	Industrial Waste Water System	LS	2,750	97	
171-873	Aerial Port Training Facility	22,200 SF	3,186	98	
832-266	Upgrade Sanitary Sewer System	51,696 LF	3,000	98	
831-173	Upgrade Storm Water System	8,000 LF	2,000	99	

1. COMPONENT USAFR	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 Jan 94
3. INSTALLATION AND LOCATION Dobbins Air Reserve Base, Georgia		
11. PERSONNEL STRENGTH AS OF -1 APR 93		
	<u>TOTAL</u> <u>PERMANENT</u> <u>OFFICER</u> <u>ENLISTED</u>	<u>GUARD/RESERVE</u> <u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZED	357 0 0	1532 239 1202
ACTUAL	357 0 0	1532 239 1202
12. RESERVE UNIT DATA		
<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>	
914th Support Group	<u>AUTHORIZED</u> 1532	<u>ACTUAL</u> 1532
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>
C-130H	8	8

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
USAFR		(computer generated)		12 JAN 1995	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
DOBBINS AIR RESERVE BASE, GEORGIA			FIRE FIGHTER TRAINING FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55356F	179-511	FGWB949003	1,100		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
FIRE FIGHTER TRAINING FACILITY	LS			744	
AIRCRAFT MOCK-UP & BURN PIT	EA	1	648,000	(648)	
SEARCH & CONFINED SPACE TRAINING BLDG	EA	1	80,000	(80)	
DRAFTING PIT	EA	1	16,000	(16)	
SUPPORTING FACILITIES				260	
UTILITIES & OIL/WATER SEPARATOR	LS			(40)	
FUEL STORAGE TANKS	LS			(35)	
SITE PREPARATION & PAVEMENTS	LS			(130)	
SECURITY FENCE	LS			(55)	
SUBTOTAL				1,004	
CONTINGENCY (5%)				50	
TOTAL CONTRACT COST				1,054	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				63	
TOTAL REQUEST				1,117	
TOTAL REQUEST (ROUNDED)				1,100	
10. Description of Proposed Construction: Circular burn area with double flexible membrane liners, water and fuel drainage systems, leak detection, effluent holding pond, oil/water separator, fuel tanks, pumps, valves, controls, piping, aircraft mockup, and compacted drive-around area. Search and Confined Space Training building of masonry and concrete with movable partitions, pipes, hatches, tanks, and small openings.					
11. REQUIREMENT: 1 LS ADEQUATE: 0 SUBSTANDARD: 1 LS					
PROJECT: Construct a Fire Training Facility (Current Mission)					
REQUIREMENT: This is a Level I environmental compliance requirement. A live-fire training facility, meeting all environmental and safety regulations, is required. Live-fire training is required (Air Force, FAA, OSHA) to enable fire fighters to maintain a high level of proficiency by extinguishing interior aircraft fires and fires involving mass fuel spills and running fuel. These exercises, performed on mock-ups representing the mission-assigned aircraft, have historically created compliance problems with the Clean Air and Clean Water Acts. An impermeable lining below the training areas with associated oil/water separation and waste holding facilities are required to prevent leaching into the ground.					
CURRENT SITUATION: The existing live-fire training facility violates US Environmental Protection Agency (EPA) regulations. The existing oil/water separator is not capable of adequately separating the foaming agent and unburned fuel from the water. The existing facility has been closed for the purposes of restoration and due to the environmental problems that occur from the use of the facility. Live-fire training is mandatory for each military Fire Fighter to be eligible for deployment during a wartime commitment. Due to this facility being closed, our Fire Fighters are having to train off-site, with less frequency, at greater expense and					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
USAFR	(computer generated)	12 JAN 1994
3. INSTALLATION AND LOCATION		
DOBBINS AIR RESERVE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE FIGHTER TRAINING FACILITY	FGWB949003	
inconvenience. IMPACT IF NOT PROVIDED: The inadequate fire training conditions at Gen B. Mitchell Air Reserve Base will continue and will affect the high level of proficiency required in aircraft crash-fire fighting. The required level and frequency of live-fire training for the assigned fire fighters is not available. Off-site training causes manning shortages and could pose problems if fires occur while fire fighters are away. Without the stress and realism that comes only with live fires, fire fighters lose proficiency in combating fires. The potential for loss of aircraft and life is increased. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or AFM 86-2, "Standard Facility Requirements". However, the Air Force has developed a "standard" or generic design for a Fire Training Facility which incorporates all of the requirements for Fire Fighter training and that meets all environmental compliance standards. This estimate is based on that "standard" design for this location and this design will be used and site adapted for this particular base. The Search and Confined Space Training Facility is added to the standard design to satisfy recent confined space training requirements.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	12 JAN 1994
3. INSTALLATION AND LOCATION DOBBINS AIR RESERVE BASE, GEORGIA			
4. PROJECT TITLE FIRE FIGHTER TRAINING FACILITY		5. PROJECT NUMBER FGWB949003	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started		93 JUN 01	
(b) Parametric Cost Estimates used to develop costs		Y	
(c) Percent Complete as of Jan 1994		35%	
(d) Date 35% Designed.		94 JAN 15	
(e) Date Design Complete		94 MAR 30	
(2) Basis:			
(a) Standard or Definitive Design -			
(b) Where Design Was Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications		86	
(b) All Other Design Costs		152	
(c) Total		238	
(d) Contract		143	
(e) In-house		95	
(4) Construction Start		94 DEC	
b. Equipment associated with this project will be provided from other appropriations: N/A			

1. COMPONENT USAFR	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 10 Jan 94
3. INSTALLATION AND LOCATION Grissom Air Reserve Base, Indiana					4. AREA CONSTR COST INDEX 1.07
5. FREQUENCY AND TYPE UTILIZATION Facilities are used daily. Unit training assemblies are two days per month and field training is conducted fifteen days per year.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air National Guard Unit 1 Naval Reserve Unit 2 Army Reserve Units 1 Coast Guard Unit					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE
100-000	Cantonment Area Environmental Compliance	LS	1,900	8/93	6/94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION					18 Feb 93 (Date)
Approved for unilateral construction.					
9. LAND ACQUISITION REQUIRED					None (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
None					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR	
179-511	Fire Fighter Training Facility	LS	1,500	96	
219-944	Construct Pest Management Facility	1,000 SF	450	97	
124-124	Replace POL Pump House/UST	3,000 SF	2,100	98	

1. COMPONENT USAFR		FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 10 Jan 94	
3. INSTALLATION AND LOCATION Grissom Air Reserve Base, Indiana							
11. PERSONNEL STRENGTH AS OF -1 APR 93							
	<u>TOTAL</u>	<u>PERMANENT OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>GUARD/RESERVE TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	422	0	0	422	1795	186	1116
ACTUAL	422	0	0	422	1795	186	1116
12. RESERVE UNIT DATA							
				<u>STRENGTH</u>			
<u>UNIT DESIGNATION</u>				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
930th Fighter Group				167	167		
434th Refueling Wing				1628	1628		
Total				1795	1795		
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>				<u>AUTHORIZED</u>	<u>ASSIGNED</u>		
KC-135R				20	21		
A-10A				18	22		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
USAFR		(computer generated)		12 JAN 1994	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
GRISSEM AIR RESERVE BASE, INDIANA			CANTONMENT AREA ENVIRONMENTAL COMPLIANCE		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55356F	100-000	CTGC959001	2,200		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
CANTONMENT AREA ENVIRONMENTAL COMPLIANCE		LS			1,867
INSTALL RAMP OIL/WATER SEPARATOR		LS			(205)
REPAIR OIL/WATER SEPARATORS (BASEWIDE)		EA	5	46,000	(270)
REPAIR POL DIKES		LS			(312)
CONSTRUCT LIME COLLECTION SYSTEM		LS			(225)
REPAIR SANITARY SEWERS (BASEWIDE)		LS			(345)
CONSTRUCT WASTE FUEL/OIL TANKS		LS			(130)
REPAIR WATER PLANT		LS			(220)
REPAIR/MODIFY PLANT STORAGE		LS			(160)
SUBTOTAL					1,867
CONTINGENCY (10%)					187
TOTAL CONTRACT COST					2,054
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					134
TOTAL REQUEST					2,188
TOTAL REQUEST (ROUNDED)					2,200
10. Description of Proposed Construction: Upgrade, construct and repair various environmental items, including oil/water separators, POL Dike, Lime Collection System, tanks, Water Plant, and Paint Storage.					
11. REQUIREMENT: As required.					
PROJECT: Basewide environmental compliance. (Current Mission)					
REQUIREMENT: Environmental compliance requires the installation of an airfield ramp oil/water separator system, repair of five existing oil/water separators, repair of existing POL Dikes, construction of a lime collection system, repair of the water plant, and repair and modification of the paint storage facility.					
CURRENT SITUATION: Existing oil/water separators, POL dikes, sanitary sewers, and water utilities are in need of upgrade or repair due to age and deteriorated condition.					
IMPACT IF NOT PROVIDED: Existing POL, water, and wastewater systems will continue to degrade to the point that significant damage could occur to the environment through accidental release of hazardous products.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	12 JAN 1994
3. INSTALLATION AND LOCATION			
GRISOM AIR RESERVE BASE, INDIANA			
4. PROJECT TITLE	5. PROJECT NUMBER		
CANTONMENT AREA ENVIRONMENTAL COMPLIANCE	CTGC959001		
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started		93 AUG 30	
(b) Parametric Cost Estimates used to develop costs		Y	
(c) Percent Complete as of Jan 1994		35%	
(d) Date 35% Designed.		94 JAN 30	
(e) Date Design Complete		94 JUN 30	
(2) Basis:			
(a) Standard or Definitive Design -			
(b) Where Design Was Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications		50	
(b) All Other Design Costs		120	
(c) Total		170	
(d) Contract		145	
(e) In-house		25	
(4) Construction Start			94 DEC
b. Equipment associated with this project will be provided from other appropriations: N/A			

1. COMPONENT USAFR	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 10 Jan 94
3. INSTALLATION AND LOCATION Barksdale Air Force Base, Louisiana					4. AREA CONSTR COST INDEX 0.84
5. FREQUENCY AND TYPE UTILIZATION Facilities are used daily. Unit training assemblies are two days per month and field training is conducted fifteen days per year.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 16 MILE RADIUS 1 Army Reserve Unit 1 Army National Guard Unit					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE
100-000	Add to and Alter Facilities for Conversion	LS	5,000	9/93	9/94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Approved for unilateral construction.					22 Nov 93 (Date)
9. LAND ACQUISITION REQUIRED					None (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR	
None					

1. COMPONENT USAFR		FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 10 Jan 94	
3. INSTALLATION AND LOCATION							
Barksdale Air Force Base, Louisiana							
11. PERSONNEL STRENGTH AS OF							
	<u>TOTAL</u>	<u>PERMANENT</u> <u>OFFICER</u> <u>ENLISTED</u>		<u>CIVILIAN</u>	<u>GUARD/RESERVE</u> <u>TOTAL</u> <u>OFFICER</u>		<u>ENLISTED</u>
AUTHORIZED	<u>364</u>	<u>0</u>	<u>0</u>	<u>364</u>	<u>1185</u>	<u>133</u>	<u>1052</u>
ACTUAL	<u>364</u>	<u>0</u>	<u>0</u>	<u>364</u>	<u>1185</u>	<u>133</u>	<u>1052</u>
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>				<u>STRENGTH</u>			
917th Fighter Wing				<u>AUTHORIZED</u> 1185	<u>ACTUAL</u> 1185		
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u> A-10A				<u>AUTHORIZED</u> 33	<u>ASSIGNED</u> 30		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
USAFR		(computer generated)		12 JAN 1994	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
BARKSDALE AIR FORCE BASE, LOUISIANA			ADD TO AND ALTER FACILITIES FOR CONVERSION		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
51720F	100-000	XPRF949052	5,000		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
ADD TO AND ALTER FACILITIES FOR					
CONVERSION	LS			3,650	
SUPPORTING FACILITIES				645	
UTILITIES	LS			(215)	
SITE IMPROVEMENTS	LS			(215)	
PAVEMENTS	LS			(215)	
SUBTOTAL				4,295	
CONTINGENCY (10%)				430	
TOTAL CONTRACT COST				4,725	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				284	
TOTAL REQUEST				5,009	
TOTAL REQUEST (ROUNDED)				5,000	
10. Description of Proposed Construction: Concrete foundations/floors, steel frames, masonry and metal walls, built-up and standing-seam metal roofs on additions. Interior functional renovations. Roads, parking lots, and other supporting facilities.					
11. REQUIREMENT: As required.					
<u>PROJECT:</u> Add to and alter various operational, training, and maintenance facilities to support conversion of an Air Force Reserve flying unit to a new weapons system. (New mission)					
<u>REQUIREMENT:</u> Adequate facilities are required to train reserve aircrew, maintenance, and support technicians in the operations and maintenance of a new mission aircraft.					
<u>CURRENT SITUATION:</u> An existing Reserve flying unit will convert from fifteen A-10s to eight B-52H aircraft. Some joint use facilities are available from the active duty host; however, many require interior alteration and minor expansion to accommodate the increased and differing maintenance and operational requirements of the new weapon system.					
<u>IMPACT IF NOT PROVIDED:</u> The Reserve operators and technicians will not be able to receive or adequately maintain and operate the new aircraft which will limit the ability of the unit to reach full readiness to augment the active force.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
USAFR	(computer generated)	12 JAN 1994
3. INSTALLATION AND LOCATION		
BARKSDALE AIR FORCE BASE, LOUISIANA		
4. PROJECT TITLE	5. PROJECT NUMBER	
ADD TO AND ALTER FACILITIES FOR CONVERSION	XPRF949052	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 SEP 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	35%	
(d) Date 35% Designed.	94 JAN 31	
(e) Date Design Complete	94 OCT 31	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	445	
(b) All Other Design Costs	40	
(c) Total	485	
(d) Contract	410	
(e) In-house	75	
(4) Construction Start	95 MAR	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT USAFR	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 10 Jan 94
3. INSTALLATION AND LOCATION Westover Air Reserve Base, Massachusetts					4. AREA CONSTR COST INDEX 1.28
5. FREQUENCY AND TYPE UTILIZATION Facilities are used daily. Unit training assemblies are two days per month and field training is conducted fifteen days per year.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air National Guard Unit 1 Army Guard Unit					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE
112-211	Replace Taxiway "G"	LS	5,100	8/92	9/93
411-135	Replace UST Basewide	20 Ea	1,000	6/93	11/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION					30 Sep 93 (Date)
Approved for unilateral construction.					
9. LAND ACQUISITION REQUIRED					None (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR	
411-135	Jet Fuel Storage	10,000 BL	2,450	96	

1. COMPONENT USAFR		FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 10 Jan 94	
3. INSTALLATION AND LOCATION							
Westover Air Reserve Base, Massachusetts							
11. PERSONNEL STRENGTH AS OF-1 APR 93							
	TOTAL	PERMANENT OFFICER ENLISTED		CIVILIAN	GUARD/RESERVE TOTAL OFFICER		ENLISTED
AUTHORIZED	981	1	6	975	2311	256	2055
ACTUAL	981	1	6	975	2311	256	2055
12. RESERVE UNIT DATA							
UNIT DESIGNATION				STRENGTH			
439th Airlift Wing				AUTHORIZED 2311		ACTUAL 2311	
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE				AUTHORIZED		ASSIGNED	
C-5A				14		14	

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
USAFR		(computer generated)		12 JAN 1994	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
WESTOVER AIR RESERVE BASE, MASSACHUSETTS			REPLACE TAXIWAY "G"		
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER	
55396F		112-211		YTPM940022	
				8. PROJECT COST(\$000)	
				5,100	
9. COST ESTIMATES					
ITEM			U/M	QUANTITY	COST (\$000)
REPLACE TAXIWAY "G"			LS		3,166
SUPPORTING FACILITIES					1,380
UTILITIES: TAXIWAY LIGHTING			LS		(825)
PAVEMENTS: DEMOLITION			LS		(455)
DRAINAGE AND SUBDRAINAGE			LS		(100)
SUBTOTAL					4,546
CONTINGENCY (5%)					227
TOTAL CONTRACT COST					4,773
SUPERVISION, INSPECTION AND OVERHEAD (6%)					286
TOTAL REQUEST					5,059
TOTAL REQUEST (ROUNDED)					5,100
10. Description of Proposed Construction: Repair 3720' of taxiway G at it's intersection with the C-5A ramp and continuing to the 23 warm-up apron. Replace existing base course with 8" cement stabilizer and 10" of compacted base course. Replace pavement with 13" of concrete pavement. Lighting system evaluation will determine amount of repair work.					
11. REQUIREMENT: As required.					
PROJECT: Repair taxiway "G" for current airfield operations. (Current Mission)					
REQUIREMENT: An adequate taxiway to handle aircraft traffic and provide access to operations areas and C-5A parking spaces. Existing pavement requires maintenance overlays as well as extensive repair by replacement to restore failing pavements. Maintenance and repairs are necessary to accommodate the normal growth and evolution of airfield missions at Westover ARB.					
CURRENT SITUATION: The existing asphalt taxiway was built almost forty years ago for different type aircraft. This project will rehabilitate the taxiway to the current standard for the mission (C-5) aircraft and its loading requirement. Taxiway "G" was rated in poor general condition by an Airfield Pavement Evaluation report dated December 1991.					
IMPACT IF NOT PROVIDED: The potential for foreign object damage to aircraft engines and tires will increase. The pavements will eventually fail, requiring the taxiway to be closed. This will adversely impact operational readiness by restricting quick access to the parking and requiring excessively long taxiing to and from the runway.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	12 JAN 1994
3. INSTALLATION AND LOCATION			
WESTOVER AIR RESERVE BASE, MASSACHUSETTS			
4. PROJECT TITLE	5. PROJECT NUMBER		
REPLACE TAXIWAY "G"	YTPM940022		
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started		92 AUG 01	
(b) Parametric Cost Estimates used to develop costs		Y	
(c) Percent Complete as of Jan 1994		100%	
(d) Date 35% Designed.		92 OCT 11	
(e) Date Design Complete		93 SEP 30	
(2) Basis:			
(a) Standard or Definitive Design -			
(b) Where Design Was Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			176
(b) All Other Design Costs			161
(c) Total			337
(d) Contract			237
(e) In-house			100
(4) Construction Start			95 FEB
b. Equipment associated with this project will be provided from other appropriations: N/A			

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
USAFR		(computer generated)		12 JAN 1994	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
WESTOVER AIR RESERVE BASE, MASSACHUSETTS			REPLACE UNDERGROUND STORAGE TANKS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55356F	411-135	YTPM959002	1,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE UNDERGROUND STORAGE TANKS		LS			400
REPLACE EXISTING UST WITH NEW UST		EA	3	20,000	(60)
REPLACE EXISTING UST WITH VAULTED TANK		EA	17	20,000	(340)
SUPPORTING FACILITIES					490
UTILITIES		LS			(60)
PAVEMENTS		LS			(20)
SITE RESTORATION		EA	5	66,000	(330)
SITE ASSESSMENT		EA	20	4,000	(80)
SUBTOTAL					890
CONTINGENCY (5%)					45
TOTAL CONTRACT COST					935
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					61
TOTAL REQUEST					996
TOTAL REQUEST (ROUNDED)					1,000
10. Description of Proposed Construction: Remove 20 POL underground storage tanks and replace 3 with double wall underground storage tanks and 17 with vaulted aboveground storage tanks. Provide initial remediation where required, contamination assessments, and disposal of tanks, contaminated soils and groundwater.					
11. REQUIREMENT: 20 LS ADEQUATE: 0 SUBSTANDARD: 0					
PROJECT: Replace 20 underground storage tanks with fully compliant underground storage tanks and vaulted aboveground storage tanks.					
REQUIREMENT: Tanks identified in this project will not meet future State and Federal requirements and currently do not meet DoD regulations. The regulatory requirements originate from Air Force UST Policy, Air Force Reserve UST Policy, 40 CFR 280 Parts A thru G and 527 Code of Massachusetts Regulations Part 9.0 et seq. Three tanks require spill, overfill and cathodic protection and double wall containment (527 CMR 9.0). 17 tanks are uncertifiable due to the age of the tanks (527 CMR 9.0 and 40 CFR 280.20) and cannot meet the 22 Dec 98 requirements due to construction type.					
CURRENT SITUATION: Seventeen (17) underground storage tanks which store petroleum fuels are World War II vintage, and according to USEPA's 1986 UST report to Congress - have the highest probability of releasing hazardous contaminants into the environment. Three (3) underground storage tanks store petroleum fuel for military vehicles and must be replaced before 1998. All twenty (20) tanks are located in a primary recharge aquifer which supplies drinking water to central Massachusetts.					
IMPACT IF NOT PROVIDED: The tanks will leak and contaminate a primary drinking water reservoir for central Massachusetts. The tanks will not comply with State and Federal regulations. The State will issue an order					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	12 JAN 1994
3. INSTALLATION AND LOCATION			
WESTOVER AIR RESERVE BASE, MASSACHUSETTS			
4. PROJECT TITLE		5. PROJECT NUMBER	
REPLACE UNDERGROUND STORAGE TANKS		YTPM959002	
to remove the tanks within 90 days. The ability of the base to support military operations will be hampered. The cost to remediate a major release is well over the cost of this project. Westover has a history of local lawsuits.			

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
USAFR	(computer generated)	12 JAN 1994
3. INSTALLATION AND LOCATION		
WESTOVER AIR RESERVE BASE, MASSACHUSETTS		
4. PROJECT TITLE		5. PROJECT NUMBER
REPLACE UNDERGROUND STORAGE TANKS		YTPM959002
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 JUN 01
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		90%
(d) Date 35% Designed.		93 AUG 15
(e) Date Design Complete		94 FEB 28
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		20
(b) All Other Design Costs		80
(c) Total		100
(d) Contract		90
(e) In-house		10
(4) Construction Start		94 DEC
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT USAFR	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 10 Jan 94
3. INSTALLATION AND LOCATION Youngstown Municipal Airport - Air Reserve Station, Ohio					4. AREA CONSTR COST INDEX 0.92
5. FREQUENCY AND TYPE UTILIZATION Facility is used daily. Unit training assemblies are two days per month and field training is conducted fifteen days per year.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Naval Reserve Unit 1 Army Reserve Unit 1 Army National Guard Unit 1 Marine Corps Reserve Unit					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE
831-155	Industrial Wastewater Pretreatment Facility	1,500 SF	500	12/93	12/94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Approved for unilateral construction.					
				22 Jun 93 (Date)	
9. LAND ACQUISITION REQUIRED					None (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR	
871-183	Apron Runoff/Stormwater Discharge Collection	LS	1,200	98	
842-245	Upgrade Base Water Distribution System	LS	1,000	96	

1. COMPONENT USAFR	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 10 Jan 94	
3. INSTALLATION AND LOCATION Youngstown Municipal Airport - Air Reserve Station, Ohio						
11. PERSONNEL STRENGTH AS OF--1 APR 93						
	<u>TOTAL</u>	<u>PERMANENT OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>GUARD/RESERVE TOTAL</u>	<u>OFFICER</u>
AUTHORIZED	221	0	0	221	1032	126
ACTUAL	221	0	0	221	1032	126
12. RESERVE UNIT DATA						
<u>UNIT DESIGNATION</u>				<u>STRENGTH</u>		
910th Airlfit Group				<u>AUTHORIZED</u>	<u>ACTUAL</u>	
				1032	1032	
13. MAJOR EQUIPMENT AND AIRCRAFT						
<u>TYPE</u>				<u>AUTHORIZED</u>	<u>ASSIGNED</u>	
C-130H				8	8	

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE				12 JAN 1994	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
YOUNGSTOWN AIR RESERVE STATION, OHIO			IND WASTE TREATMENT & DISPOSAL		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55356F	831-155	ZQEL979003	500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IND WASTE TREATMENT & DISPOSAL		SF	1,500	180	270
SUPPORTING FACILITIES					180
INDUSTRIAL WASTEWATER PIPING		LF	2,000	35	(70)
ELECTRICAL		LS			(10)
STORM DRAINAGE		LS			(30)
SITE IMPROVEMENTS		LS			(45)
HEATING		LS			(15)
WATER DISTRIBUTION		LS			(10)
SUBTOTAL					450
CONTINGENCY (5%)					23
TOTAL CONTRACT COST					473
SUPERVISION, INSPECTION AND OVERHEAD (6%)					28
TOTAL REQUEST					501
TOTAL REQUEST (ROUNDED)					500
10. Description of Proposed Construction: Construct an Industrial Wastewater Pretreatment Facility consisting of concrete footings and floor slab, structural steel frame, insulated metal panel exterior, wastewater treatment units and containment holding tanks. Excavation and installation of industrial wastewater piping. Include utilities and necessary support.					
11. REQUIREMENT: As required.					
PROJECT: Construct an Industrial Wastewater Pre-treatment Facility.					
REQUIREMENT: Provide industrial wastewater treatment prior to discharge of the wastewater to the Base's Sanitary Sewer Collection System, which discharges to the county's POTW. Pretreatment of the wastewater from the industrial operations is necessary to meet discharge parameters established under the county's industrial wastewater pretreatment program. Pretreatment is required by the Clean Water Act regulation for POTWs to meet NPDES permit requirements. This is a Level II environmental compliance project.					
CURRENT SITUATION: The industrial wastewater from the aircraft maintenance industrial area facilities discharges directly to the Sanitary Sewage System with the only form of pretreatment being oil/water separators. The county has an industrial wastewater pretreatment program which requires a limitation on various contaminants in the wastewater discharge by industrial operations. A sampling of the wastewater, especially from aircraft wash operations, has identified metals and high BOD and COD in the wastewater discharge. To continuously meet the parameters required and future restrictions, industrial pretreatment is necessary.					
IMPACT IF NOT PROVIDED: Uncontrolled and unmonitored industrial					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	12 JAN 1994
3. INSTALLATION AND LOCATION		
YOUNGSTOWN AIR RESERVE STATION, OHIO		
4. PROJECT TITLE	5. PROJECT NUMBER	
IND WASTE TREATMENT & DISPOSAL	ZQEL979003	
wastewater could exceed the industrial wastewater pretreatment parameters established by the county, jeopardizing the POTW in meeting its NPDES discharge requirements. A violation of industrial wastewater discharge could occur.		

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	12 JAN 1994
3. INSTALLATION AND LOCATION		
YOUNGSTOWN AIR RESERVE STATION, OHIO		
4. PROJECT TITLE	5. PROJECT NUMBER	
IND WASTE TREATMENT & DISPOSAL	ZQEL979003	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 OCT 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1994	10%	
(d) Date 35% Designed.	94 APR 15	
(e) Date Design Complete	94 OCT 15	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	5	
(b) All Other Design Costs	35	
(c) Total	40	
(d) Contract	10	
(e) In-house	30	
(4) Construction Start	95 APR	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT USAFR	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 10 Jan 94
3. INSTALLATION AND LOCATION General Mitchell International Airport - Air Reserve Station, Wisconsin					4. AREA CONSTR COST INDEX 1.16
5. FREQUENCY AND TYPE UTILIZATION Facilities are used daily. Unit training assemblies are two days per month and field training is conducted fifteen days per year.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air National Guard Unit 1 Army Guard Unit 1 Naval Reserve Unit					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE
179-511	Fire Fighter Training Facility	LS	1,450	8/93	5/94
124-000	Secondary Containment Facility	LS	750	10/93	12/94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION					21 Oct 93 (Date)
Approved for unilateral construction.					
9. LAND ACQUISITION REQUIRED					None (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR	
171-445	Medical Training Facility	1100 SF	2,450	96	
214-428	Vehicle Ops Facility	17,820 SG	3,300	97	
218-852	Survival Equipment Facility	4400 SF	750	97	
171-873	Aerial Port Training Facility	14,200 SF	2,000	97	
211-159	Inst Air Emission Control Device	LS	400	97	
871-183	Storm Drainage Facility	2,800 SY	1,000	97	
411-135	Underground Storage Tank	LS	1,200	97	
842-245	Base Water Distribution System	LS	750	98	
442-758	Base Supply	54,000 SF	3,000	99	
171-445	Composite Training Facility	13,700 SF	2,000	99	
832-266	Base Sanitary Sewer System	LS	600	99	

1. COMPONENT USAFR		FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 10 Jan 94	
3. INSTALLATION AND LOCATION General Mitchell IAP, Air Reserve Station, Wisconsin							
11. PERSONNEL STRENGTH AS OF-1 APR 93							
	<u>TOTAL</u>	<u>PERMANENT OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>GUARD/RESERVE TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	295	0	0	295	1183	147	996
ACTUAL	242	0	0	242	1183	147	996
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>				<u>STRENGTH</u>			
440th Airlift Wing				<u>AUTHORIZED</u> 1183		<u>ACTUAL</u> 1183	
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>				<u>AUTHORIZED</u>		<u>ASSIGNED</u>	
C-130				8		8	

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
USAFR		(computer generated)		12 JAN 1994	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
GENERAL B. MITCHELL MILWAUKEE, WISCONSIN			FIRE FIGHTER TRAINING FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55356	179-511	HTUX959001	1,450		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
FIRE FIGHTER TRAINING FACILITY	LS			930	
AIRCRAFT MOCK-UP & BURN PIT	EA	1	810,000	(810)	
SEARCH & CONFINED SPACE TRAINING BLDG	EA	1	100,000	(100)	
DRAFTING PIT	EA	1	20,000	(20)	
SUPPORTING FACILITIES				375	
UTILITIES & OIL/WATER SEPARATOR	LS			(50)	
FUEL STORAGE TANKS	LS			(45)	
SITE PREPARATION & PAVEMENTS	LS			(160)	
SECURITY FENCE	LS			(70)	
AREA COST FACTOR (1.04%)	LS			(50)	
SUBTOTAL				1,305	
CONTINGENCY (5%)				65	
TOTAL CONTRACT COST				1,370	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				82	
TOTAL REQUEST				1,452	
TOTAL REQUEST (ROUNDED)				1,450	
10. Description of Proposed Construction: Circular burn area with double flexible membrane liners, water and fuel drainage systems, leak detection, effluent holding pond, oil/water separator, fuel tanks, pumps, valves, controls, piping, aircraft mockup, and compacted drive-around area. Search and Confined Space Training building of masonry and concrete with movable partitions, pipes, hatches, tanks, and small openings.					
11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA					
PROJECT: Construct a Fire Training Facility (Current Mission)					
REQUIREMENT: This is a Level I environmental compliance requirement. A live-fire training facility, meeting all environmental and safety regulations, is required. Live-fire training is required (Air Force, FAA, OSHA) to enable fire fighters to maintain a high level of proficiency by extinguishing interior aircraft fires and fires involving mass fuel spills and running fuel. These exercises, performed on mock-ups representing the mission-assigned aircraft, have historically created compliance problems with the Clean Air and Clean Water Acts. An impermeable lining below the training areas with associated oil/water separation and waste holding facilities are required to prevent leaching into the ground.					
CURRENT SITUATION: The existing live-fire training facility violates US Environmental Protection Agency (EPA) regulations. The existing oil/water separator is not capable of adequately separating the foaming agent and unburned fuel from the water. The existing facility has been closed for the purposes of restoration and due to the environmental problems that occur from the use of the facility. Live-fire training is mandatory for each military Fire Fighter to be eligible for deployment during a wartime commitment. Due to this facility being closed, our Fire Fighters are having to train off-site, with less frequency, at greater expense and					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	12 JAN 1994
3. INSTALLATION AND LOCATION			
GENERAL B. MITCHELL MILWAUKEE, WISCONSIN			
4. PROJECT TITLE		5. PROJECT NUMBER	
FIRE FIGHTER TRAINING FACILITY		HTUX959001	
inconvenience.			
IMPACT IF NOT PROVIDED: The inadequate fire training conditions at Gen B. Mitchell Air Reserve Base will continue and will affect the high level of proficiency required in aircraft crash-fire fighting. The required level and frequency of live-fire training for the assigned fire fighters is not available. Off-site training causes manning shortages and could pose problems if fires occur while fire fighters are away. Without the stress and realism that comes only with live fires, fire fighters lose proficiency in combating fires. The potential for loss of aircraft and life is increased.			
ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or AFM 86-2, "Standard Facility Requirements". However, the Air Force has developed a "standard" or generic design for a Fire Training Facility which incorporates all of the requirements for Fire Fighter training and that meets all environmental compliance standards. This estimate is based on that "standard" design for this location and this design will be used and site adapted for this particular base. The Search and Confined Space Training Facility is added to the standard design to satisfy recent confined space training requirements.			

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
USAFR	(computer generated)	12 JAN 1994
3. INSTALLATION AND LOCATION		
GENERAL B. MITCHELL MILWAUKEE, WISCONSIN		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE FIGHTER TRAINING FACILITY	HTUX959001	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 AUG 15
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1994		35%
(d) Date 35% Designed.		93 DEC 15
(e) Date Design Complete		94 SEP 15
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		35
(b) All Other Design Costs		110
(c) Total		145
(d) Contract		130
(e) In-house		15
(4) Construction Start		95 MAR
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
USAFR				12 JAN 1994	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
GENERAL MITCHELL IAP-ARS MILWAUKEE, WI.			SECONDARY CONTAINMENT FACILITIES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55356F	124-000	HTUX999005	750		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
SECONDARY CONTAINMENT FACILITIES	LS			563	
SUPPORTING FACILITIES				80	
DEMOLITION	LS			(20)	
SITE IMPROVEMENTS	LS			(60)	
SUBTOTAL				643	
CONTINGENCY (10%)				64	
TOTAL CONTRACT COST				707	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				42	
TOTAL REQUEST				749	
TOTAL REQUEST (ROUNDED)				750	
10. Description of Proposed Construction: Construct permanent secondary containment facilities for storing hazardous materials/hazardous waste. Excavate/demolish concrete flooring to install permanent containment at selected base facilities.					
11. REQUIREMENT: As required.					
PROJECT: Secondary Containment Facilities (Current Mission).					
REQUIREMENT: To contain leakage from spills of stored hazardous materials/hazardous waste.					
CURRENT SITUATION: Presently the base uses portable buildings equipped with secondary containment to store hazardous materials and hazardous waste.					
IMPACT IF NOT PROVIDED: The temporary secondary containment buildings have a limited economic life and should be placed with permanent secondary containment built into the floor where hazardous materials and hazardous wastes are stored on base. Failure to plan for these facilities increases the likelihood of spills when moving hazardous materials to and from these temporary buildings which are located nearby.					

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	12 JAN 1994
3. INSTALLATION AND LOCATION GENERAL MITCHELL IAP-ARS MILWAUKEE, WI.			
4. PROJECT TITLE SECONDARY CONTAINMENT FACILITIES		5. PROJECT NUMBER HTUX999005	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a)	Date Design Started	93 OCT 01	
(b)	Parametric Cost Estimates used to develop costs	Y	
(c)	Percent Complete as of Jan 1994	10%	
(d)	Date 35% Designed.	94 APR 01	
(e)	Date Design Complete	94 SEP 01	
(2) Basis:			
(a)	Standard or Definitive Design -		
(b)	Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a)	Production of Plans and Specifications	15	
(b)	All Other Design Costs	65	
(c)	Total	80	
(d)	Contract	72	
(e)	In-house	.8	
(4) Construction Start			95 MAR
b. Equipment associated with this project will be provided from other appropriations: N/A			

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1995

APPROPRIATION: MILITARY CONSTRUCTION, AIR FORCE RESERVE

PROGRAM 341.020 UNSPECIFIED MILITARY CONSTRUCTION \$4,018,000

PART I - PURPOSE AND SCOPE

The funds requested for unspecified military construction will finance new construction projects having cost estimates greater than \$300,000 but not in excess of \$400,000.

PART II - JUSTIFICATION OF FUNDS REQUESTED

The funds requested for unspecified military construction will finance unforeseen projects generated during the year and are necessary to support mission requirements.

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
USAFR		(computer generated)		12 JAN 1994	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
VARIOUS LOCATIONS			UNSPECIFIED MINOR CONSTRUCTION		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
5.53.96	010-211	PAYZ950003	4,018		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UNSPECIFIED MINOR CONSTRUCTION		LS			4,018
SUBTOTAL					4,018
TOTAL CONTRACT COST					4,018
TOTAL REQUEST					4,018
TOTAL REQUEST (ROUNDED)					4,018
10. Description of Proposed Construction: Various minor construction projects having costs of over \$300,000 but less than \$400,000.					
11. REQUIREMENT: As required.					
PROJECT: N/A					
REQUIREMENT: This appropriation provides a lump sum amount for unspecified minor construction projects, not otherwise authorized by law, having a funded cost of \$400,000 or less, including construction, alteration or conversion of temporary facilities, in accordance with Title 10, USC 2233 and 2233a. These projects are not now identified but are expected to arise during FY 95.					
IMPACT IF NOT PROVIDED: No means to accomplish exigent projects between \$300,000 and \$400,000 will exist, severely degrading the ability of the Air Force Reserve to efficiently and effectively address unforeseen facility modification, alteration and conversion requirements.					

SECTION 4
ARCHITECTURAL AND ENGINEERING SERVICES
AND CONSTRUCTION DESIGN

1. COMPONENT		FY 1995 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
USAFR		(computer generated)		12 JAN 1994	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
VARIOUS LOCATIONS			PLANNING AND DESIGN		
			(CURRENT MISSION)		
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
5.53.96		010-211	PAYZ950000	3,172	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PLANNING AND DESIGN (CURRENT MISSION)		LS			3,172
SUBTOTAL					3,172
TOTAL CONTRACT COST					3,172
TOTAL REQUEST					3,172
TOTAL REQUEST (ROUNDED)					3,172
10. Description of Proposed Construction:					
11. REQUIREMENT: As required.					
PROJECT: N/A					
REQUIREMENT: Funds for architectural and engineering services and construction provide for the completed design of facilities and evaluation of designs in terms of technical adequacy and estimated costs. In addition, these funds are required to prepare site surveys, develop master plans, working drawings, specifications, project planning reports, and design required for those construction projects included in the Air Force Reserve Military Construction Program. The advanced age and continued deterioration of the Air Force Reserve physical plant and infrastructure have generated numerous facility requirements requiring these architectural and engineering services for design. It is essential the Air Force Reserve be funded at the requested level to ensure operational readiness is not hampered or degraded due to inadequate facilities.					
IMPACT IF NOT PROVIDED: Continued design on this fiscal year program, as well as future year MILCON programs, will be impossible.					

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